

**National Load Despatch Centre  
Total Transfer Capability for May 2018**

Issue Date: 21st May 2018

Issue Time: 1330 hrs

Revision No. 18

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 2018 to 31st May 2018	00-06	2500	500	2000	55	1945		
		06-18				65	1935		
		18-24				55	1945		
WR-NR*	1st May 2018 to 3rd May 2018	00-24	10300 9350**	500	9800 8850**	9179 8229**	621 621**		
	4th May 2018 to 9th May 2018	00-24	7700 6750**	500	7200 6250**	9179 8229**	0 0**		
	10th May 2018 to 16th May 2018	00-24	9000 8050**	500	8500 7550**	9179 8229**	0 0**		
	17th May 2018	00-04	9000 8050**	500	8500 7550**	9179 8229**	0 0**		
		04-09'	7500 6550**	500	7000 6050**	9179 8229**	0 0**		
		09-24'	9000 8050**	500	8500 7550**	9179 8229**	0 0**		
	18th May 2018	00-24	9000 8050**	500	8500 7550**	9179 8229**	0 0**		
	19th May 2018	00-24	9000 8050**	500	8500 7550**	9179 8229**	0 0**		
	20th May 2018	00-24	7000 6050**	500	6500 5550**	9179 8229**	0 0**		
	21st May 2018	00-24	9000 8050**	500	8500 7550**	9179 8229**	0 0**		
	22nd May 2018	00-24	8000 7050**	500	7500 6550**	9179 8229**	0 0**	-1000	Revised considering forced outage of one pole of HVDC Champa-Kurukshetra
	23rd May 2018 to 31st May 2018	00-24	9000 8050**	500	8500 7550**	9179 8229**	0 0**		
	NR-ER*	1st May 2018 to 31st May 2018	00-06	2000	200	1800	193	1607	
06-18			2000	1800		303	1497		
18-24			2000	1800		193	1607		
ER-NR*	1st May 2018 to 11th May 2018	00-24	4500	300	4200	3239	961		
	12th May 2018 to 31st May 2018	00-24	4500	300	4200	3413	787		
W3-ER	1st May 2018 to 31st May 2018	00-24	No limit is being specified.						
ER-W3	1st May 2018 to 31st May 2018	00-24	No limit is being specified.						

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WR-SR	1st May 2018 to 3rd May 2018	00-05	5150	500	4650	4415	235		
		05-22	5150		4650		235		
		22-24	5150		4650		235		
	4th May 2018	00-0930	5150	500	4650	4415	235		
		0930-18	4950		4450		35		
		18-22	5150		4650		235		
		22-24	5150		4650		235		
	5th May 2018 to 07th May 2018	00-05	5150	500	4650	4415	235		
		05-22	5150		4650		235		
		22-24	5150		4650		235		
	08th May 2018	00-05	5150	500	4650	4415	235		
		05-930	5150		4650		235		
		930-18	4950		4450		35		
		18-22	5150		4650		235		
		22-24	5150		4650		235		
	9th May 2018	00-05	5150	500	4650	4415	235		
		05-22	5150		4650		235		
		22-24	5150		4650		235		
	10th May 2018	00-05	5150	500	4650	4415	235		
		05-930	5150		4650		235		
		930-18	4950		4450		35		
		18-22	5150		4650		235		
		22-24	5150		4650		235		
	11th May 2018 to 14th May 2018	00-05	5150	500	4650	4415	235		
		05-22	5150		4650		235		
		22-24	5150		4650		235		
	15th May 2018	00-05	5150	500	4650	4415	235		
		05-930	5150		4650		235		
		930-18	4950		4450		35		
		18-22	5150		4650		235		
22-24		5150	4650		235				
16th May 2018	00-05	5150	500	4650	4415	235			
	05-22	5150		4650		235			
	22-24	5150		4650		235			
17th May 2018	00-630	5150	500	4650	4415	235			
	630-22	4750		4250		0			
	22-24	4750		4250		0			
18th May 2018	00-05	4750	500	4250	4415	0			
	05-22	4750		4250		0			
	22-24	4750		4250		0			
19th May 2018	00-630	5150	500	4650	4415	235			
	630-930	4750		4250		0			
	930-22	4550		4050		0			
	22-24	4550		4050		0			
20th May 2018	00-05	5150	500	4650	4415	235			
	05-22	5150		4650		235			
	22-24	5150		4650		235			

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WR-SR	21st May 2018	00-630	5150	500	4650	4415	235			
		630-22	4750		4250		0			
		22-24	4750		4250		0			
	22nd May 2018	00-05	4750	500	4250	4415	0			
		05-22	4750		4250		0			
		22-24	4750		4250		0			
	23rd May 2018 to 31st May 2018	00-05	5150	500	4650	4415	235			
		05-22	5150		4650		235			
		22-24	5150		4650		235			
SR-WR *	1st May 2018 to 31st May 2018	00-24	No limit is being Specified.							
ER-SR	1st May 2018 to 10th May 2018	00-06	4350	250	4100	3262	838			
		06-18					3347	753		
		18-24					3262	838		
	11th May 2018	00-06	4350	250	4100	3262	838			
		06-0630	4350		4100	3347	753			
		0630-18	4050		3800	3347	453			
		18-24	4050		3800	3262	538			
	12th May 2018	00-06	4350	250	4100	3262	838			
		06-0630	4350		4100	3347	753			
		0630-18	4050		3800	3347	453			
		18-24	4050		3800	3262	538			
	13th May 2018 to 31st May 2018	00-06	4350	250	4100	3262	838			
		06-18					3347	753		
		18-24					3262	838		
	SR-ER *	1st May 2018 to 31st May 2018	00-24	No limit is being Specified.						
	ER-NER	1st May 2018 to 4th May 2018	00-17	1250	45	1205	225	980		
17-23			1110	1065		840				
23-24			1250	1205		980				
5th May 2018		00-08	1250	45	1205	225	980			
		08-17	1020		975		750			
		17-23	980		935		710			
		23-24	1020		975		750			
6th May 2018		00-17	1250	45	1205	225	980			
		17-23	1110		1065		840			
		23-24	1250		1205		980			
7th May 2018		00-08	1250	45	1205	225	980			
		08-17	990		945		720			
		17-23	860		815		590			
		23-24	990		945		720			
8th May 2018 to 17th May 2018		00-17	1250	45	1205	225	980			
		17-23	1110		1065		840			
		23-24	1250		1205		980			
18th May 2018		00-08	1250	45	1205	225	980			
		08-17	920		875		650			
		17-23	800		755		530			
	23-24	920	875		650					

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ER-NER	19th May 2018 to 21st May 2018	00-17	1250	45	1205	225	980			
		17-23	1110		1065		840			
		23-24	1250		1205		980			
	22nd May 2018 to 26th May 2018	00-08	1250	45	1205	225	980			Revised due to day time shutdown of 400 kV Bongaigaon-Bynihat S/C
		08-17	920		875		650	-330		
		17-23	800		755		530	-310		
	27th May 2018 to 31st May 2018	00-17	1250	45	1205	225	980			
		17-23	1110		1065		840			
		23-24	1250		1205		980			
NER-ER	1st May 2018 to 4th May 2018	00-17	1760	45	1715	0	1715			
		17-23	1780		1735		1735			
		23-24	1760		1715		1715			
	5th May 2018	00-08	1760	45	1715	0	1715			
		08-17	1620		1575		1575			
		17-23	1560		1515		1515			
		23-24	1620		1575		1575			
	6th May 2018	00-17	1760	45	1715	0	1715			
		17-23	1780		1735		1735			
		23-24	1760		1715		1715			
	7th May 2018	00-08	1760	45	1715	0	1715			
		08-17	1400		1355		1355			
		17-23	1430		1385		1385			
		23-24	1400		1355		1355			
	8th May 2018 to 17th May 2018	00-17	1760	45	1715	0	1715			
		17-23	1780		1735		1735			
		23-24	1760		1715		1715			
	18th May 2018	00-08	1760	45	1715	0	1715			
		08-17	1450		1405		1405			
		17-23	1420		1375		1375			
		23-24	1450		1405		1405			
	19th May 2018 to 21st May 2018	00-17	1760	45	1715	0	1715			
		17-23	1780		1735		1735			
		23-24	1760		1715		1715			
	22nd May 2018 to 26th May 2018	00-08	1760	45	1715	0	1715			
		08-17	1450		1405		1405	-310		
		17-23	1420		1375		1375	-360		
23-24		1450	1405		1405		-310			
27th May 2018 to 31st May 2018	00-17	1760	45	1715	0	1715				
	17-23	1780		1735		1735				
	23-24	1760		1715		1715				

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<b>W3 zone Injection</b>	1st May 2018 to 31st May 2018	00-24	No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)						
<b>Note: TTC/ATC of S1-(S2&amp;S3) corridor, Import of S3(Kerala), Import of Punjab and Import of DD &amp; DNH is uploaded on NLDC website under Intra-Regional Section in Monthly ATC.</b>									
* 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).									
**Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.									

1) S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala

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 o)RKM, p)GMR Raikhedra, q)Ind Barath and any other regional entity generator in Chhattisgarh

# 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 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.

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									
NR	1st May 2018 to 3rd May 2018	00-18	14700	800	13900	12418 11468**	1482		
			13750**		12950**		1482**		
		18-23	13200		12400		0		
			12250**		11450**		0**		
		23-24	14700		13900		1482		
			13750**		12950**		1482**		
	4th May 2018 to 9th May 2018	00-18	11000	800	10200	12418 11468**	0		
			10050**		9250**		0**		
		18-23	9900		9100		0		
			8950**		8150**		0**		
		23-24	11000		10200		0		
			10050**		9250**		0**		
	10th May 2018 to 11th May 2018	00-18	12850	800	12050	12418 11468**	0		
			11900**		11100**		0**		
		18-23	11500		10700		0		
			10550**		9750**		0**		
		23-24	12850		12050		0		
			11900**		11100**		0**		
	12th May 2018 to 16th May 2018	00-18	12850	800	12050	12592 11642**	0		
			11900**		11100**		0**		
		18-23	11500		10700		0		
			10550**		9750**		0**		
		23-24	12850		12050		0		
			11900**		11100**		0**		
17th May 2018	00-04'	12850	800	12050	12592 11642**	0			
		11900**		11100**		0**			
	04-09'	10700		9900		0			
		9750**		8950**		0**			
	09-18'	12850		12050		0			
		11900**		11100**		0**			
	18-23	11500		10700		0			
		10550**		9750**		0**			
	23-24	12850		12050		0			
		11900**		11100**		0**			

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NR	18th May 2018	00-18	12850	800	12050	12592 11642**	0		
			11900**		11100**		0**		
		18-23	11500		10700		0		
	10550**		9750**		0**				
	23-24	12850	12050		0				
		11900**	11100**		0**				
	19th May 2018	00-18	12850	800	12050	12592 11642**	0		
			11900**		11100**		0**		
		18-23	11500		10700		0		
	10550**		9750**		0**				
	23-24	12850	12050		0				
		11900**	11100*		0**				
20th May 2018	00-18	10000	800	9200	12592 11642**	0			
		9050**		8250**		0**			
	18-23	8950		8150		0			
8000**		7200**		0**					
23-24	10000	9200		0					
	9050**	8250*		0**					
21st May 2018	00-18	12850	800	12050	12592 11642**	0			
		11900**		11100**		0**			
	18-23	11500		10700		0			
10550**		9750**		0**					
23-24	12850	12050		0					
	11900**	11100*		0**					

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	22nd May 2018	00-18	11450	800	10650	12592 11642**	0	-1400	Revised considering forced outage of one pole of HVDC Champa- Kurukshetra
			10500**		9700**		0**		
		18-23	10250		9450		0	-1250	
	23-24	9300**	8500**		0**				
		11450	10650		0				
		10500**	9700*		0**	-1400			
23rd May 2018 to 31st May 2018	00-18	12850	12050	0					
		11900**	11100**	0**					
	18-23	11500	10700	0					
	23-24	10550**	9750**	0**					
		12850	12050	0					
		11900**	11100*	0**					
NER	1st May 2018 to 4th May 2018	00-17	1250	45	1205	225	980		
		17-23	1110		1065		840		
		23-24	1250		1205		980		
	5th May 2018	00-08	1250	45	1205	225	980		
		08-17	1020		975		750		
		17-23	980		935		710		
		23-24	1020		975		750		
	6th May 2018	00-17	1250	45	1205	225	980		
		17-23	1110		1065		840		
		23-24	1250		1205		980		



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NER	7th May 2018	00-08	1250	45	1205	225	980			
		08-17	990		945		720			
		17-23	860		815		590			
		23-24	990		945		720			
	8th May 2018 to 17th May 2018	00-17	1250	45	1205	225	980			
		17-23	1110		1065		840			
		23-24	1250		1205		980			
	18th May 2018	00-08	1250	45	1205	225	980			
		08-17	920		875		650			
		17-23	800		755		530			
		23-24	920		875		650			
	19th May 2018 to 21st May 2018	00-17	1250	45	1205	225	980			
		17-23	1110		1065		840			
		23-24	1250		1205		980			
	22nd May 2018 to 26th May 2018	00-08	1250	45	1205	225	980			
		08-17	920		875		650	-330		
		17-23	800		755		530	-310		
		23-24	920		875		650	-330		
	27th May 2018 to 31st May 2018	00-17	1250	45	1205	225	980			
		17-23	1110		1065		840			
		23-24	1250		1205		980			
	WR									
	SR	1st May 2018 to 3rd May 2018	00-05	9500	750	8750	7677	1073		
05-06			9500	8750		7677	1073			
06-18			9500	8750		7762	988			
18-22			9500	8750		7677	1073			
22-24			9500	8750		7677	1073			
4th May 2018		00-0930	9500	750	8750	7677	1073			
		0930-18	9300		8550	7677	873			
		18-22	9500		8750	7762	988			
		22-24	9500		8750	7677	1073			
5th May 2018 to 07th May 2018		00-05	9500	750	8750	7677	1073			
		05-06	9500		8750	7677	1073			
		06-18	9500		8750	7762	988			
		18-22	9500		8750	7677	1073			
		22-24	9500		8750	7677	1073			
8th May 2018		00-05	9500	750	8750	7677	1073			
		05-06	9500		8750	7677	1073			
		06-930	9500		8750	7762	988			
		930-18	9300		8550	7762	788			
		18-22	9500		8750	7677	1073			
		22-24	9500		8750	7677	1073			
9th May 2018		00-05	9500	750	8750	7677	1073			
		05-06	9500		8750	7677	1073			
		06-18	9500		8750	7762	988			
		18-22	9500		8750	7677	1073			
	22-24	9500	8750		7677	1073				

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SR	10th May 2018	00-05	9500	750	8750	7677	1073		
		05-06	9500		8750	7677	1073		
		06-930	9500		8750	7762	988		
		930-18	9300		8550	7762	788		
		18-22	9500		8750	7677	1073		
		22-24	9500		8750	7677	1073		
	11th May 2018	00-05	9500	750	8750	7677	1073		
		05-06	9500		8750	7677	1073		
		06-630	9500		8750	7762	988		
		0630-18	9200		8450	7762	688		
		18-22	9200		8450	7677	773		
		22-24	9200		8450	7677	773		
	12th May 2018	00-05	9500	750	8750	7677	1073		
		05-06	9500		8750	7677	1073		
		06-630	9500		8750	7762	988		
		0630-18	9200		8450	7762	688		
		18-22	9200		8450	7677	773		
		22-24	9200		8450	7677	773		
	13th May 2018 to 14th May 2018	00-05	9500	750	8750	7677	1073		
		05-06	9500		8750	7677	1073		
		06-18	9500		8750	7762	988		
		18-22	9500		8750	7677	1073		
		22-24	9500		8750	7677	1073		
	15th May 2018	00-05	9500	750	8750	7677	1073		
		05-06	9500		8750	7677	1073		
		06-930	9500		8750	7762	988		
		930-18	9300		8550	7762	788		
		18-22	9500		8750	7677	1073		
		22-24	9500		8750	7677	1073		
	16th May 2018	00-05	9500	750	8750	7677	1073		
05-06		9500	8750		7677	1073			
06-18		9500	8750		7762	988			
18-22		9500	8750		7677	1073			
22-24		9500	8750		7677	1073			
17th May 2018	00-05	9500	750	8750	7677	1073			
	05-06	9500		8750	7677	1073			
	06-630	9500		8750	7762	988			
	630-18	9100		8350	7762	588			
	18-22	9100		8350	7677	673			
	22-24	9100		8350	7677	673			
18th May 2018	00-05	9100	750	8350	7677	673			
	05-06	9100		8350	7677	673			
	06-18	9100		8350	7762	588			
	18-22	9100		8350	7677	673			
	22-24	9100		8350	7677	673			

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	19th May 2018	00-05	9500	750	8750	7677	1073		
		05-06	9500		8750	7677	1073		
		06-630	9500		8750	7762	988		
		630-930	9100		8350	7762	588		
		930-18	8900		8150	7762	388		
		18-22	8900		8150	7677	473		
		22-24	8900		8150	7677	473		
	20th May 2018	00-05	9500	750	8750	7677	1073		
		05-06	9500		8750	7677	1073		
		06-18	9500		8750	7762	988		
		18-22	9500		8750	7677	1073		
		22-24	9500		8750	7677	1073		
	21st May 2018	00-05	9500	750	8750	7677	1073		
		05-06	9500		8750	7677	1073		
		06-630	9500		8750	7762	988		
		630-18	9100		8350	7762	588		
		18-22	9100		8350	7677	673		
		22-24	9100		8350	7677	673		
	22nd May 2018	00-05	9100	750	8350	7677	673		
		05-06	9100		8350	7677	673		
		06-18	9100		8350	7762	588		
		18-22	9100		8350	7677	673		
		22-24	9100		8350	7677	673		
	23rd May 2018 to 31st May 2018	00-05	9500	750	8750	7677	1073		
		05-06	9500		8750	7677	1073		
		06-18	9500		8750	7762	988		
		18-22	9500		8750	7677	1073		
		22-24	9500		8750	7677	1073		

\* 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).

\*\*Considering 400 kV Rihand stage-III - Vindhyachal PS D/C line as inter-regional line for the purpose of scheduling, metering and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III generation is considered as NR regional entity.

\* For approving STOA Bilateral transactions, margin available in Simultaneous Import of NR would be apportioned on WR-NR Corridor & ER-NR Corridor in the following ratio:

Margin in Simultaneous import of NR = A

WR-NR ATC = B

ER-NR ATC = C

Margin for WR-NR applicants =  $A * B / (B + C)$

Margin for ER-NR Applicants =  $A * C / (B + C)$

## 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 2018 to 31st May 2018	00-06	4500	700	3800	248	3552		
		06-18			3800	368	3432		
		18-24	4500		3800	248	3552		
NER	1st May 2018 to 4th May 2018	00-17	1760	45	1715	0	1715		
		17-23	1780		1735		1735		
		23-24	1760		1715		1715		
	5th May 2018	00-08	1760	45	1715	0	1715		
		08-17			-45		-45		
		17-23	1780		1735		1735		
		23-24	1760		1715		1715		
	6th May 2018	00-17	1760	45	1715	0	1715		
		17-23	1780		1735		1735		
		23-24	1760		1715		1715		
	7th May 2018	00-08	1760	45	1715	0	1715		
		08-17	1400		1355		1355		
		17-23	1430		1385		1385		
		23-24	1400		1355		1355		
	8th May 2018 to 17th May 2018	00-17	1760	45	1715	0	1715		
		17-23	1780		1735		1735		
		23-24	1760		1715		1715		
	18th May 2018	00-08	1760	45	1715	0	1715		
		08-17	1450		1405		1405		
		17-23	1420		1375		1375		
		23-24	1450		1405		1405		
	19th May 2018 to 21st May 2018	00-17	1760	45	1715	0	1715		
		17-23	1780		1735		1735		
		23-24	1760		1715		1715		
	22nd May 2018 to 26th May 2018	00-08	1760	45	1715	0	1715		
		08-17	1450		1405		1405	-310	
		17-23	1420		1375		1375	-360	
23-24		1450	1405		1405		-310		
27th May 2018 to 31st May 2018	00-17	1760	45	1715	0	1715			
	17-23	1780		1735		1735			
	23-24	1760		1715		1715			
WR									
SR *	1st May 2018 to 31st May 2018	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 (Corridor wise)

Corridor	Constraint	Applicable Revisions
<b>NR-WR</b>	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak	Rev-0 to 18
<b>WR-NR</b>	(n-1) Contingency of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.	Rev-0 to 4
	(n-1) Contingency of 765kV Aligarh-Jhatikara leads to 2500 MW loading on 765kV Aligarh-Greater Noida.	Rev- 5 to 9
	Restriction on Mundra Mahindragarh power flow due to high loading on 765/400 kV Vadodara ICTs	Rev-6 to 18
	(n-1) contingency of 765/400 kV Agra ICT leads to high loading on other ICT	Rev-10 to 18
<b>NR-ER</b>	(n-1) contingency of 400 kV Saranath-Pusauli	Rev-0 to 18
<b>ER-NR</b>	1. N-1 contingencies of 400 kv Mejia-Maithon A S/c 2. N-1 contingencies of 400 kv Kahalgaon-Banka S/c 3. N-1 contingencies of 400kV MPL- Maithon S/C	Rev-0 to 18
<b>WR-SR and ER-SR</b>	a. (n-1) contingency of one ckt of 765 kV Wardha-Nizamabad D/C will lead to 874 MW loading on 400kV Vemagiri(PG)-Gazuwaka (When 400kV Vemagiri(PG)-Nunna S/C is not in service) b. (n-1) contingency of 400 kV Vemagiri - Vijaywada S/C will lead to high loading (874 MW) on 400 kV Vemagiri - Gazuwaka S/C (When 400 kV Vemagiri(PG) - Nunna S/C in kept in service)	Rev-0 to 1
	Low Voltage at Gazuwaka (East) Bus.	Rev-0 to 18
	n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT	Rev-2 to 17
<b>ER-NER</b>	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa b. High loading of 220 kV Balipara-Sonabil line(200 MW)	Rev-2 to 18
<b>NER-ER</b>	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other ICT at Misa	Rev-0 to 18
<b>W3 zone Injection</b>	---	Rev-0 to 18

### Limiting Constraints (Simultaneous)

		Applicable Revisions	
<b>NR</b>	<b>Import</b>	1. N-1 contingencies of 400 kv Mejia-Maithon A S/c 2. N-1 contingencies of 400 kv Kahalgaon-Banka S/c 3. N-1 contingencies of 400kV MPL- Maithon S/c	Rev-0 to 18
		(n-1) Contingency of 765kV Gwalior-Agra one ckt leads to 2750 MW loading on second circuit.	Rev-0 to 4
		(n-1) Contingency of 765kV Aligarh-Jhatikara leads to 2500 MW loading on 765kV Aligarh-Greater Noida.	Rev- 5 to 9
		Restriction on Mundra Mahindragarh power flow due to high loading on 765/400 kV Vadodara ICTs	Rev-6 to 18
		(n-1) contingency of 765/400 kV Agra ICT leads to high loading on other ICT	Rev-10 to 18
		<b>Export</b>	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli
<b>NER</b>	<b>Import</b>	a. (n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa b. High loading of 220 kV Balipara-Sonabil line(200 MW)	Rev-0 to 18
	<b>Export</b>	(n-1) contingency of 400/220 kV, 2x315 MVA ICTs at Misa results in high loading of other ICT at Misa	Rev-0 to 18
<b>SR</b>	<b>Import</b>	a. (n-1) contingency of one ckt of 765 kV Wardha-Nizamabad D/C will lead to 874 MW loading on 400kV Vemagiri(PG)-Gazuwaka (When 400kV Vemagiri(PG)-Nunna S/C is not in service) b. (n-1) contingency of 400 kV Vemagiri - Vijaywada S/C will lead to high loading (874 MW) on 400 kV Vemagiri - Gazuwaka S/C (When 400 kV Vemagiri(PG) - Nunna S/C in kept in service)	Rev-0 to 1
		Low Voltage at Gazuwaka (East) Bus.	Rev-0 to 18
		n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT	Rev-2 to 18

**National Load Despatch Centre  
Total Transfer Capability for May 2018**

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
1	26th Feb 2018	Whole Month	Revised STOA margin due to (a) 50 MW allocation to Karnataka from NTPC WR plants (b) 5 MW allocation to Telangana from NTPC WR plants	WR-SR/Import of SR
			Revised STOA margins due to change in Talcher Stg-II DC	ER-SR/Import of SR
2	23rd March 2018	Whole Month	<p>1. Revised due to commissioning/ reconfiguration of following lines:  (a) Commissioning of 400kV Vijaywada(PG)-Vemagiri (PG) Ckt 2 &amp; 3  (b) Commissioning of 400kV Vemagiri (PG)-Vemagiri (AP) 1 &amp; 2  (c) Vemagiri (AP) end of 400 kV Simhadri II - Vemagiri (AP)- ckt 1 &amp; 2 moved to 400 kV Vemagiri (PG)</p> <p>2. With the commissioning/ reconfiguration of above lines, TTC/ATC for Import of SR remains unchanged however the relative sensitivity of ER-SR and WR-SR to net import of SR has changed. The limiting constraint which was earlier (n-1) contingency of one ckt of 765 kV Wardha-Nizamabad D/C and (n-1) contingency of 400 kV Vemagiri - Vijaywada S/C has also shifted to n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG).</p>	ER-SR/WR-SR
3	27th March 2018	Whole Month	Revised STOA margin due to 200 MW LTA from Bokaro TPS-A of DVC to PSPCL	ER-NR/Import of NR
4	2nd April 2018	Whole Month	Revised STOA margins due to change in allocation from WR-ISGS to J&K, to WR-ISGS to Gujarat	WR-NR/Import of NR
5	26th April 2018	Whole Month	<p>Revised considering  (a) newly commissioned 765kV Jabalpur-Orai D/C, Orai-Aliagarh D/C ,LILo 765kV Satna-Gwalior-1 S/C at Orai , 2*1000MVA 765/400kV Orai ICTs, 400kV Orai PG- Orai UP D/C , LILo of 765kV Kanpur-Jhatikara S/C at Aligarh, LILo of 765kV Agra-Greater Noida at Aligarh and  (b) considering forced outage of 765kV Agra-Jhatikara S/C &amp; 765kV Gaya-Varanasi-2 and (c) due to restriction on power order of HVDC Mundra - Mahindragarh bipole due to low generation at APL Mundra</p>	WR-NR/Import of NR
6	3rd May 2018	4th May 2018 to 11th May 2018	<p>Revised TTC/ATC due to  (a) Forced outage of following elements:  1. 765 kV Agra Gwalior D/C  2. 765 kV Agra Aligarh S/C  3. 765 kV Agra - Fatehpur D/C  4. 765 kV Agra Jhatikara S/C  5. 765/400 kV Agra ICTs  6. Outage of HVDC BNC -Alipurduar-Agra  7. 765 kV Kanpur Varanasi D/C  8. 400 kV Agra Kanpur S/C  (b) Frequent outage of HVDC Champa Kurukshetra Pole  (c) Restriction on Mundra Mohindragarh power flow due to high loading on 765/400 kV Vadodara ICTs</p>	WR-NR/Import of NR
		4th May 2018	Revised due to day time shutdown of 765/400 kV Nizamabad ICT-2	WR-SR/Import of SR
7	03rd May 2018	5th May 2018	Revised due to daytime shutdown of 400 kV Bongaigaon-Azara S/C	ER-NER/NER-ER/Import/Export of NER
8	05th May 2018	7th May 2018	Revised due to daytime shutdown of 400/132 kV 315 MVA ICT-I at Misa substation	ER-NER/NER-ER/Import/Export of NER

Revision No	Date of Revision	Period of Revision	Reason for Revision	Corridor Affected
9	07th May 2018	8th May 2018	Revised due to Shutdown of 765kV ICT # 2 at Nizamabad	WR-SR/Import of SR
10	09th May 2018	10th May 2018	Revised due to Shutdown of 765kV ICT # 2 at Nizamabad	WR-SR/Import of SR
		11th May 2018	Revised due to shutdown of 400kV Jeypore-Bolangir line.	ER-SR/Import of SR
		12th May 2018	Revised due to shutdown of 400kV Angul-Bolangir line.	ER-SR/Import of SR
		10th May 2018 to 18th May 2018	Revised TTC/ATC due to restoration of following elements: (a) 765 kV Agra Gwalior ckt-II (b) 765 kV Aligarh Jhatikara S/C (c) 765 kV Agra Fatehpur D/C (d) 765/400 kV Agra ICT-I & II	WR-NR/Import of NR
11	10th May 2018	12th May 2018 to 31st May 2018	Revised STOA margins due to operationalization of 174 MW LTA from Teesta-III HEP to UP discoms w.e.f. 12th May 2018	ER-NR/Import of NR
12	14th May 2018	10th May 2018	Revised due to Shutdown of 765kV ICT # 2 at Nizamabad	WR-SR/Import of SR
13	16th May 2018	17th May 2018	Revised due to Emergency shutdown of HVDC Champa-Kurukshetra Bipole	WR-NR/Import of NR
		17th May 2018 to 18th May 2018	Revised due to shutdown of 765kV Durg-Wardha-1 and 2	WR-SR/Import of SR
		19th May 2018 to 20th May 2018	Revised due to shutdown of 765kV Durg-Wardha-3 and 4	WR-SR/Import of SR
14	16th May 2018	18th May 2018	Revised due to daytime shutdown of 400 kV Bongaigaon-Azara S/C	ER-NER/NER-ER/Import/Export of NER
15	17th May 2018	19th May 2018 to 31st May 2018	Revised due to (a) Forced outage of following elements: 1. 765 kV Agra Gwalior S/C 2. 765 kV Agra Aligarh S/C 3. 765 kV Agra - Fatehpur S/C 4. Outage of HVDC BNC -Alipurduar-Agra 5. 765 kV Kanpur Varanasi D/C 6. 400 kV Agra Kanpur S/C (b) Frequent outage of HVDC Champa Kurukshetra Pole (c) Restriction on Mundra Mohindragarh power flow due to high loading on 765/400 kV Vadodara ICTs	WR-NR/Import of NR
16	18th May 2018	19th May 2018	Revised due to shutdown of 765/400kV ICT-2 at Maheshwaram	WR-SR/Import of SR
17	19th May 2018	20th May 2018	Revised due to Rescheduling of 765kV Durg-Wardha-3 and 4	WR-SR/Import of SR
		21st May 2018 to 22nd May 2018		WR-SR/Import of SR
		20th May 2018	Revised due to considering forced outage of 765kV Bus-1 at Orai, 765kV Jhatikara-Bhiwani, 765kV Orai-Aligarh-1, 765kV Gwalior-Agra-1 and Frequent tripping of HVDC Champa-Kurukshetra Bipole	WR-NR/Import of NR
18	21st May 2018	22nd May 2018 to 26th May 2018	Revised due to day time shutdown of 400 kV Bongaigaon-Bynihat S/C	ER-NER/NER-ER/Import/Export of NER
		22nd May 2018	Revised considering forced outage of one pole of HVDC Champa-Kurukshetra	WR-NR/Import of NR

ASSUMPTIONS IN BASECASE					
				Month : May'18	
S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	<b>NORTHERN REGION</b>				
1	Punjab	8479	8228	4059	4077
2	Haryana	7777	7660	2139	2139
3	Rajasthan	10146	10147	6390	6337
4	Delhi	5760	5526	691	691
5	Uttar Pradesh	16367	16149	9969	9915
6	Uttarakhand	1886	1687	912	833
7	Himachal Pradesh	1484	1329	589	530
8	Jammu & Kashmir	2851	1640	1079	1071
9	Chandigarh	304	232	0	0
10	ISGS/PPs	25	25	20090	17008
	<b>Total NR</b>	<b>55078</b>	<b>52624</b>	<b>45919</b>	<b>42602</b>
II	<b>EASTERN REGION</b>				
1	Bihar	3971	2726	310	181
2	Jharkhand	1187	871	384	210
3	Damodar Valley Corporation	2952	2684	4767	4014
4	Orissa	3930	3132	3005	2282
5	West Bengal	7664	5659	5432	4259
6	Sikkim	85	50	0	0
7	Bhutan	212	219	614	582
8	ISGS/PPs	266	260	11286	9307
	<b>Total ER</b>	<b>20265</b>	<b>15602</b>	<b>25799</b>	<b>20836</b>
III	<b>WESTERN REGION</b>				
1	Maharashtra	18958	18097	11630	10987
2	Gujarat	14011	14396	8909	8909
3	Madhya Pradesh	7898	7788	2992	2992
4	Chattisgarh	3443	3568	2270	2740
5	Daman and Diu	304	293	0	0
6	Dadra and Nagar Haveli	762	742	0	0
7	Goa-WR	472	416	0	0
8	ISGS/PPs	3852	3656	39424	39424
	<b>Total WR</b>	<b>49700</b>	<b>48955</b>	<b>65225</b>	<b>65052</b>



S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
IV	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	8600	8600	5740	4856
2	Telangana	7546	6122	3759	3063
3	Karnataka	9394	8077	4623	4966
4	Tamil Nadu	15200	13500	8660	6510
5	Kerala	4000	2400	1474	120
6	Pondy	372	372	0	0
7	Goa-SR	84	89	0	0
8	ISGS/PPs	0	0	15094	13476
	<b>Total SR</b>	<b>45196</b>	<b>39161</b>	<b>39350</b>	<b>32991</b>
V	<b>NORTH-EASTERN REGION</b>				
1	Arunachal Pradesh	133	74	0	0
2	Assam	1227	964	245	150
3	Manipur	168	87	0	0
4	Meghalaya	289	195	223	157
5	Mizoram	101	69	8	8
6	Nagaland	117	82	16	8
7	Tripura	240	158	78	78
8	ISGS/PPs	140	140	1955	1576
	<b>Total NER</b>	<b>2415</b>	<b>1769</b>	<b>2525</b>	<b>1977</b>
	<b>Total All India</b>	<b>173094</b>	<b>158505</b>	<b>179486</b>	<b>164078</b>