

National Load Despatch Centre
Total Transfer Capability for November 2020

Issue Date: 28th November 2020

Issue Time: 2000 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 November 2020 to 30th November 2020	00-06	2500	500	2000	195	1805		
		06-18				1281	719		
		18-24				195	1805		
WR-NR*	1st November 2020 to 6th November 2020	00-06	18150	500	17650	10518	7132		
			17200**		16700**	9568**			
		06-18	18150	500	17650	10997	6653		
			17200**		16700**	10047**			
		18-24	18150	500	17650	10518	7132		
			17200**		16700**	9568**			
WR-NR*	7th November 2020	00-06	18150	500	17650	10518	7132		
			17200**		16700**	9568**			
		06-08	18150	500	17650	10997	6653		
			17200**		16700**	10047**			
		08-18	17400	500	16900	10997	5903		
			16450**		15950**	10047**			
		18-24	17400	500	16900	10518	6382		
			16450**		15950**	9568**			
WR-NR*	8th November 2020 to 22nd November 2020	00-06	18150	500	17650	10518	7132		
			17200**		16700**	9568**			
		06-18	18150	500	17650	10997	6653		
			17200**		16700**	10047**			
		18-24	18150	500	17650	10518	7132		
			17200**		16700**	9568**			
WR-NR*	23rd November 2020 to 24th November 2020	00-06	18150	500	17650	10518	7132		
			17200**		16700**	9568**			
		06-08	18150	500	17650	10997	6653		
			17200**		16700**	10047**			
		08-18	17950	500	17450	10997	6453		
			17000**		16500**	10047**			
18-24	17950	500	17450	10518	6932				
	17000**		16500**	9568**					
WR-NR*	25th November 2020 to 26th November	00-06	18150	500	17650	10518	7132		
			17200**		16700**	9568**			
		06-08	18150	500	17650	10997	6653		
			17200**		16700**	10047**			
		08-18	17950	500	17450	10997	6453		
			17000**		16500**	10047**			
18-24	17950	500	17450	10518	6932				
	17000**		16500**	9568**					

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WR-NR*	27th November 2020	00-06	18150	500	17650	10518	7132		
			17200**		16700**	9568**			
		06-08	18150	500	17650	10997	6653		
			17200**		16700**	10047**			
		08-18	17950	500	17450	10997	6453		
17000**	16500**		10047**						
18-24	17950	500	17450	10518	6932	17000**	16500**	9568**	
WR-NR*	28th November 2020 to 30th November 2020	00-06	18150	500	17650	10518	7132		
			17200**		16700**	9568**			
		06-18	18150	500	17650	10997	6653		
			17200**		16700**	10047**			
		18-24	18150	500	17650	10518	7132		
17200**	16700**		9568**						
NR-ER*	1st November 2020 to 30th November 2020	00-06	2000	200	1800	193	1607		
		06-18	2000		1800	303	1497		
		18-24	2000		1800	193	1607		
ER-NR*	1st November 2020 to 6th November 2020	00-24	6250	300	5950	4066	1884		
ER-NR*	7th November 2020	00-08	6250	300	5950	4066	1884		
		08-24	5900	300	5600	4066	1534		
ER-NR*	8th November 2020 to 22nd November 2020	00-24	6250	300	5950	4066	1884		
ER-NR*	23rd November 2020 to 24th November 2020	00-08	6250	300	5950	4066	1884		
		08-24	6100	300	5800	4066	1734		
ER-NR*	25th November 2020 to 26th November 2020	00-08	6250	300	5950	4066	1884		
		08-24	6100	300	5800	4066	1734		
ER-NR*	27th November 2020	00-08	6250	300	5950	4066	1884		
		08-24	6100	300	5800	4066	1734		
ER-NR*	28th November 2020 to 30th November 2020	00-24	6250	300	5950	4066	1884		

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W3-ER	1st November 2020 to 30th November 2020	00-24	No limit is being specified.						
ER-W3	1st November 2020 to 30th November 2020	00-24	No limit is being specified.						
WR-SR [^]	1st November 2020	00-05	7250	500	6750	4073	2677		
		05-22	7250		6750		2677		
		22-24	7250		6750		2677		
WR-SR [^]	2nd November 2020 to 5th November 2020	00-05	8000	500	7500	4073	3427		
		05-22	8000		7500		3427		
		22-24	8000		7500		3427		
WR-SR [^]	6th November 2020 to 08th November 2020	00-05	8000	500	7500	4073	3427		
		05-22	8000		7500		3427		
		22-24	8000		7500		3427		
WR-SR [^]	9th November 2020	00-05	7350	500	6850	4073	2777		
		05-22	7350		6850		2777		
		22-24	7350		6850		2777		
WR-SR [^]	10th November 2020 to 13th November 2020	00-05	7350	500	6850	4073	2777		
		05-22	7350		6850		2777		
		22-24	7350		6850		2777		
WR-SR [^]	14th November 2020 to 19th November 2020	00-05	7350	500	6850	4073	2777		
		05-22	7350		6850		2777		
		22-24	7350		6850		2777		
WR-SR [^]	20th November 2020	00-05	7350	500	6850	4073	2777		
		05-09	7350		6850		2777		
		09-22	6100		5600		1527		
		22-24	6100		5600		1527		
WR-SR [^]	21st November 2020	00-05	7350	500	6850	4073	2777		
		05-22	7350		6850		2777		
		22-24	7350		6850		2777		
WR-SR [^]	22nd November 2020 to 25th November 2020	00-05	8000	500	7500	4073	3427		
		05-22	8000		7500		3427		
		22-24	8000		7500		3427		
WR-SR [^]	26th November 2020 to 29th November 2020	00-05	8000	500	7500	4073	3427		
		05-22	8000		7500		3427		
		22-24	8000		7500		3427		
WR-SR [^]	30th November 2020	00-05	8000	500	7500	4073	3427		Revision in TTC/ATC due to planned outage of 765 kV Angul - Srikakulam S/C
		05-07	8000		7500		3427		
		07-22	7900		7400		3327	-100	
		22-24	7900		7400		3327	-100	
SR-WR [*]	1st November 2020 to 30th November 2020	00-24	4600	400	4200	550	3650		

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ER-SR [^]	1st November 2020	00-06	4800	250	4550	2673	1877		
		06-18				2758	1792		
		18-24				2673	1877		
ER-SR [^]	2nd November 2020 to 05th November 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		
ER-SR [^]	6th November 2020 to 8th November 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		
ER-SR [^]	09th November 2020	00-06	5850	250	5600	2673	2927		
		06-18				2758	2842		
		18-24				2673	2927		
ER-SR [^]	10th November 2020 to 13th November 2020	00-06	5850	250	5600	2673	2927		
		06-18				2758	2842		
		18-24				2673	2927		
ER-SR [^]	14th November 2020 to 19th November 2020	00-06	5850	250	5600	2673	2927		
		06-18				2758	2842		
		18-24				2673	2927		
ER-SR [^]	20th November 2020	00-06	5850	250	5600	2673	2927		
		06-09	5850	250	5600	2758	2842		
		09-18	5450	250	5200	2758	2442		
		18-24	5450	250	5200	2673	2527		
ER-SR [^]	21st November 2020	00-06	5850	250	5600	2673	2927		
		06-18				2758	2842		
		18-24				2673	2927		
ER-SR [^]	22nd November 2020 to 25th November 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		
ER-SR [^]	26th November 2020 to 29th November 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		
ER-SR [^]	30th November 2020	00-06	5900	250	5650	2673	2977		Revision in TTC/ATC due to planned outage of 765 kV Angul - Srikakulam S/C
		06-07	5900		5650	2758	2892		
		07-18	5150		4900	2758	2142	-750	
		18-24	5150		4900	2673	2227	-750	
SR-ER *	1st November 2020 to 30th November 2020	00-24	No limit is being Specified.						

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ER-NER*	1st November 2020 to 12th November 2020	00-02	1900	45	1855	474	1381			
		02-07	1900		1855	474	1381			
		07-12	1900		1855	474	1381			
		12-17	1900		1855	474	1381			
		17-18	1900		1855	474	1381			
		18-22	1680		1635	474	1161			
		22-23	1900		1855	474	1381			
		23-24	1900		1855	474	1381			
	13th November 2020	00-08	1900	45	1855	474	1381			
		08-18	1460		1415	474	941			
		18-22	1180		1135	474	661			
		22-24	1460		1415	474	941			
	ER-NER*	14th November 2020 to 30th November 2020	00-02	1900	45	1855	474	1381		
			02-07	1900		1855	474	1381		
07-12			1900	1855		474	1381			
12-17			1900	1855		474	1381			
17-18			1900	1855		474	1381			
18-22			1680	1635		474	1161			
22-23			1900	1855		474	1381			
23-24			1900	1855		474	1381			
NER-ER*	1st November 2020 to 12th November 2020	00-02	1800	45	1755	42	1713			
		02-07	1800		1755	42	1713			
		07-12	1800		1755	42	1713			
		12-18	1800		1755	42	1713			
		18-22	1900		1855	42	1813			
		22-23	1800		1755	42	1713			
		23-24	1800		1755	42	1713			
NER-ER*	13th November 2020	00-08	1800	45	1755	42	1713			
		08-18	1350		1305	42	1263			
		18-22	1510		1465	42	1423			
		22-24	1350		1305	42	1263			
	14th November 2020 to 30th November 2020	00-02	1800	45	1755	42	1713			
		02-07	1800		1755	42	1713			
		07-12	1800		1755	42	1713			
		12-18	1800		1755	42	1713			
		18-22	1900		1855	42	1813			
		22-23	1800		1755	42	1713			
23-24	1800	1755	42	1713						

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W3 zone Injection	1st November 2020 to 30th November 2020	00-24	No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)						

Note: TTC/ATC of S1-(S2&S3) corridor, Import of S3(Kerala), Import of Punjab and Import of DD & DNH is uploaded on NLDC website under Intra-Regional Section in Monthly ATC.

* 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 Raikheda, 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.

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

^Though 2X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of WR-SR and ER-SR corridor has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implemetation.

^In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka SLDC by taking appropriate measures.

SR-WR TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS.

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
NR*	1st November 2020 to 6th November 2020	00-06	24400	800	23600	14584	9016		
			23450**		22650**	13634**			
		06-09	24400		23600	15063	8537		
			23450**		22650**	14113**			
		09-17	24400		23600	15063	8537		
			23450**		22650**	14113**			
17-18	24400	23600	15063	8537					
	23450**	22650**	14113**						
18-24	24400	23600	14584	9016					
	23450**	22650**	13634**						
NR*	7th November 2020	00-06	24400	800	23600	14584	9016		
			23450**		22650**	13634**			
		06-08	24400		23600	15063	8537		
			23450**		22650**	14113**			
		08-09	23300		22500	15063	7437		
			22350**		21550**	14113**			
09-17	23300	22500	15063	7437					
	22350**	21550**	14113**						
17-18	23300	22500	15063	7437					
	22350**	21550**	14113**						
18-24	23300	22500	14584	7916					
	22350**	21550**	13634**						
NR*	8th November 2020 to 22nd November 2020	00-06	24400	800	23600	14584	9016		
			23450**		22650**	13634**			
		06-09	24400		23600	15063	8537		
			23450**		22650**	14113**			
		09-17	24400		23600	15063	8537		
			23450**		22650**	14113**			
17-18	24400	23600	15063	8537					
	23450**	22650**	14113**						
18-24	24400	23600	14584	9016					
	23450**	22650**	13634**						

NR*	23rd November 2020 to 24th November 2020	00-06	24400 23450**	800	23600 22650**	14584 13634**	9016	
		06-08	24400 23450**		23600 22650**	15063 14113**	8537	
		08-09	24050 23100**		23250 22300**	15063 14113**	8187	
		09-17	24050 23100**		23250 22300**	15063 14113**	8187	
		17-18	24050 23100**		23250 22300**	15063 14113**	8187	
		18-24	24050 23100**		23250 22300**	14584 13634**	8666	
		00-06	24400 23450**		23600 22650**	14584 13634**	9016	
NR*	25th November 2020 to 26th November 2020	06-08	24400 23450**	800	23600 22650**	15063 14113**	8537	
		08-09	24050 23100**		23250 22300**	15063 14113**	8187	
		09-17	24050 23100**		23250 22300**	15063 14113**	8187	
		17-18	24050 23100**		23250 22300**	15063 14113**	8187	
		18-24	24050 23100**		23250 22300**	14584 13634**	8666	
		00-06	24400 23450**		23600 22650**	14584 13634**	9016	
		NR*	27th November 2020		06-08	24400 23450**	800	23600 22650**
08-09	24050 23100**			23250 22300**	15063 14113**	8187		
09-17	24050 23100**			23250 22300**	15063 14113**	8187		
17-18	24050 23100**			23250 22300**	15063 14113**	8187		
18-24	24050 23100**			23250 22300**	14584 13634**	8666		
00-06	24400 23450**			23600 22650**	14584 13634**	9016		
06-08	24400 23450**			23600 22650**	15063 14113**	8537		

NR*	28th November 2020 to 30th November 2020	00-06	24400 23450**	800	23600 22650**	14584 13634**	9016	
		06-09	24400 23450**		23600 22650**	15063 14113**	8537	
			09-17		24400 23450**	23600 22650**	15063 14113**	8537
		17-18			24400 23450**	23600 22650**	15063 14113**	8537
			18-24		24400 23450**	23600 22650**	14584 13634**	9016
		NER*			1st November 2020 to 12th November 2020	00-02	1200	45
02-07	1200		1155	474		681		
07-12	1200		1155	474		681		
12-17	1200		1155	474		681		
17-18	1200		1155	474		681		
18-22	980		935	474		461		
22-23	1200		1155	474		681		
23-24	1200		1155	474		681		
NER*	13th November 2020	00-08	1200	45	1155	474	681	
		08-18	760		715	474	241	
		18-22	480		435	474	0	
		22-24	760		715	474	241	
NER*	14th November 2020 to 30th November 2020	00-02	1200	45	1155	474	681	
		02-07	1200		1155	474	681	
		07-12	1200		1155	474	681	
		12-17	1200		1155	474	681	
		17-18	1200		1155	474	681	
		18-22	980		935	474	461	
		22-23	1200		1155	474	681	
		23-24	1200		1155	474	681	
WR*								
SR**	1st November 2020	00-06	12050	750	11300	6746	4554	
		06-18	12050		11300	6831	4469	
		18-24	12050		11300	6746	4554	
SR**	2nd November 2020 to 5th November 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	
SR**	6th November 2020 to 8th November 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	
SR**	9th November 2020	00-06	13200	750	12450	6746	5704	
		06-18	13200		12450	6831	5619	
		18-24	13200		12450	6746	5704	
SR**	10th November 2020 to 13th November 2020	00-06	13200	750	12450	6746	5704	
		06-18	13200		12450	6831	5619	
		18-24	13200		12450	6746	5704	

SR [#]	14th November 2020 to 19th November 2020	00-06	13200	750	12450	6746	5704	
		06-18	13200		12450	6831	5619	
		18-24	13200		12450	6746	5704	
SR [#]	20th November 2020	00-06	13200	750	12450	6746	5704	
		06-09	13200		12450	6831	5619	
		09-18	11550		10800	6831	3969	
		18-24	11550		10800	6746	4054	
SR [#]	21st November 2020	00-06	13200	750	12450	6746	5704	
		06-18	13200		12450	6831	5619	
		18-24	13200		12450	6746	5704	
SR [#]	22nd November 2020 to 25th November 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	
SR [#]	26th November 2020 to 29th November 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	
SR [#]	30th November 2020	00-06	13900	750	13150	6746	6404	
		06-07	13900		13900	6831	7069	
		07-18	13050		12300	6831	5469	-850
		18-24	13050		12300	6746	5554	-850

* 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 = $A * C/(B+C)$

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

#Though 2X315 MVA, 400/220 kV ICTs at Maradam are N-1 non-compliant, the TTC of SR Import has not been restricted due to the same considering that this aspect will be managed by AP SLDC through appropriate measures like SPS implementation.

In case of drawl of Karnataka beyond 3800 MW, the voltages in Bengaluru area are observed to be critically low. This issue may be taken care of by Karnataka by taking appropriate measures.

WR-NR/Import of NR TTC has been calculated considering generation at Pariccha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Pariccha TPS.

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 November 2020 to 30th November 2020	00-06	4500	700	3800	388	3412		
		06-18			3800	1584	2216		
		18-24			3800	388	3412		
NER*	1st November 2020 to 12th November 2020	00-02	2500	45	2455	42	2413		
		02-07			2455	42	2413		
		07-12			2455	42	2413		
		12-17			2455	42	2413		
		17-18			2455	42	2413		
		18-22			2555	42	2513		
		22-23			2455	42	2413		
		23-24			2455	42	2413		
NER*	13th November 2020	00-08	2500	45	2455	42	2413		
		08-18			2005	42	1963		
		18-22			2165	42	2123		
		22-24			2005	42	1963		
NER*	14th November 2020 to 30th November 2020	00-02	2500	45	2455	42	2413		
		02-07			2455	42	2413		
		07-12			2455	42	2413		
		12-17			2455	42	2413		
		17-18			2455	42	2413		
		18-22			2555	42	2513		
		22-23			2455	42	2413		
		23-24			2455	42	2413		
WR*									
SR*^	1st November 2020 to 30th November 2020	00-24	3700	400	3300	1150	2150		

* 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).

Real Time TTC/ATC revisions are uploaded on POSOCO/NLDC "News Update" (Flasher) Section

^SR Export TTC/ATC figures have been calculated considering 01 unit (800 MW) at Kudgi TPS in service. The figures are subject to change with change in generation at Kudgi TPS.

Limiting Constraints (Corridor wise)		Applicable Revisions	
Corridor	Constraint		
WR-NR	N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev 0 to 18	
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev 0 to 18	
ER-NR	1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. 2. Inter-regional flow pattern towards NR	Rev 0 to 18	
WR-SR and ER-SR	n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt	Rev 0 to 2	
	n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt		
	Low Voltage at Gazuwaka (East) Bus.		
	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	Rev 3 to 10,12 to 18	
	Low Voltage at Gazuwaka (East) Bus.		
	N-1 of one ckt of 765 kV Nizamabad - Maheshwaram line will overload 765/400 kV, 1500 MVA ICT at Nizamabad	Rev 11	
Low Voltage at Gazuwaka (East) Bus.			
SR-WR	a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs	Rev 0 to 18	
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	Rev 0 to 7,9 to 18	
	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV BTPS-Agia S/C (200 MW)	Rev 8	
NER-ER	a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar-Killing Line	Rev 0 to 7,9 to 18	
	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV BTPS-Agia S/C (200 MW)	Rev 8	
W3 zone Injection	---	Rev 0 to 18	
Limiting Constraints (Simultaneous)		Applicable Revisions	
NR	Import	1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. 2. Inter-regional flow pattern towards NR	Rev 0 to 18
		N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev 0 to 18
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli	Rev 0 to 18
NER	Import	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	Rev 0 to 7,9 to 18
		a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV BTPS-Agia S/C (200 MW)	Rev 8
	Export	a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar-Killing Line	Rev 0 to 7,9 to 18
		a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV BTPS-Agia S/C (200 MW)	Rev 8
SR	Import	n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt	Rev 0 to 2
		n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt	
		Low Voltage at Gazuwaka (East) Bus	
		N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	Rev 3 to 10, 12 to 18
		Low Voltage at Gazuwaka (East) Bus.	
		N-1 of one ckt of 765 kV Nizamabad - Maheshwaram line will overload 765/400 kV, 1500 MVA ICT at Nizamabad	Rev 11
	Low Voltage at Gazuwaka (East) Bus.		
Export	N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs	Rev 0 to 18	

**National Load Despatch Centre
Total Transfer Capability for November 2020**

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
1	28th August 2020	Whole Month	Revision in STOA margin due to the following:- a) Increase in allocation from Kameng HEP to UP, Haryana, Chhattisgarh and Goa b) Revision in LTA/allocation from GIWEL, Bhuj (Wind) and Mangdechu HEP to Assam	ER-NER/NER-ER/Import and Export of NER
			Revision in TTC/ATC due to:- a) Commissioning of HVDC Champa - Kurukshetra Pole-4 b) Change in HVDC APD-Agra power order and load-generation balance.	WR-NR/ER-NR/Import of NR
2	28th Sep 2020	Whole Month	Revision in STOA margin due to the following:- a) Operationalization of 153 MW LTA from Alfanar, Bhuj to Delhi Discoms b) Revision in LTA quantum from RPL-SECI-II-RE (Wind, Bhachau) to Punjab and UP from 148 MW to 170 MW	WR-NR / Import of NR
3	30th Oct 2020	1st Nov to 5th Nov 2020	TTC/ATC has been revised after commissioning of HVDC Raigarh – Pugalur Pole -1 and forced outage of 1) HVDC Talcher-Kolar pole-1 2) HVDC Bhadravati block-1	WR-SR /ER-SR/ Import of SR
		6th Nov to 30th Nov 2020	TTC/ATC has been revised after commissioning of HVDC Raigarh – Pugalur Pole -1	WR-SR /ER-SR/ Import of SR
		Whole Month	Revised TTC/ATC due to: 1) Change in Load-Generation of NER 2) Addition of 2x150 MW out of 4 x 150 MW Kameng Generation 3) Forced outage of 2x 50 MW Karbi Langpi generation of Assam 4) Incorporation of HVDC flow of 700 MW between Biswanath Chariali and Agra	ER-NER /NER-ER/ Import/Export of NER
STOA margin has been revised due to the following:- • Operationalization of 50 MW LTA from APL Ghadsisa (Wind) to Haryana • Revision in LTA quantum from Alfanar Bhuj (Wind) to Delhi DISCOMS from 153 MW to 179 MW • Revision in LTA quantum from SEISPPL_MP (Solar) to TDPPL, Delhi from 90 MW to 180 MW	WR-NR / Import of NR			
4	01st Nov-2020	02nd Nov to 5th Nov 2020	Revised due to revival of HVDC Talcher-Kolar Pole-1 and Bhadravati Block-1	WR-SR /ER-SR/ Import of SR
5	5th Nov-2020	7th Nov 2020	Revised TTC due to day time shutdown of 765 kV Orai-Gwalior S/C	WR-NR /ER-NR/ Import of NR
6	8th Nov 2020	9th Nov 2020	Revised due to forced outage of HVDC Bhadravati Pole-1	WR-SR /ER-SR/ Import of SR
7	8th Nov 2020	10th Nov 2020 to 13th Nov 2020	Revised due to forced outage of HVDC Bhadravati Pole-1	WR-SR /ER-SR/ Import of SR

8	11th Nov 2020	13th Nov 2020	Revised due to shutdown of 400 kV Bongaigaon - Bynihat(Killing) line	ER-NER /NER-ER/ Import/Export of NER
9	12th Nov 2020	14th Nov 2020 to 18th Nov 2020	Revised due to forced outage of HVDC Bhadrawati Pole-1	WR-SR /ER-SR/ Import of SR
10	17th Nov 2020	19th Nov 2020 to 25th Nov 2020	Revised due to forced outage of HVDC Bhadrawati Pole-1	WR-SR /ER-SR/ Import of SR
11	18th Nov 2020	20th Nov 2020	Revised due to planned outage of 765/400 kV Nizamabad ICT - II	WR-SR /ER-SR/ Import of SR
12	20th Nov 2020	22nd Nov 2020	Revised due to revival of HVDC Bhadrawati Pole-1	WR-SR /ER-SR/ Import of SR
13	21st Nov 2020	23rd Nov 2020	Revised TTC/ATC due to day time shutdown of 765 kV Phagi-Bhiwani S/C	WR-NR /ER-NR/ Import of NR
14	22nd Nov 2020	24th Nov 2020	Revised TTC/ATC due to day time shutdown of 765 kV Phagi-Bhiwani S/C	WR-NR /ER-NR/ Import of NR
15	23rd Nov 2020	25th Nov 2020	Revised TTC/ATC due to day time shutdown of 765 kV Phagi-Bhiwani S/C	WR-NR /ER-NR/ Import of NR
16	24th Nov 2020	26th Nov 2020	Revised TTC/ATC due to day time shutdown of 765 kV Phagi-Bhiwani S/C	WR-NR /ER-NR/ Import of NR
17	25th Nov 2020	27th Nov 2020	Revised TTC/ATC due to day time shutdown of 765 kV Phagi-Bhiwani S/C	WR-NR /ER-NR/ Import of NR
18	28th Nov 2020	30th Nov 2020	Revision in TTC/ATC due to planned outage of 765 kV Angul - Srikakulam S/C	WR-SR /ER-SR/ Import of SR

ASSUMPTIONS IN BASECASE					
				Month : November'2020	
S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION				
1	Punjab	6462	5238	2840	2783
2	Haryana	7055	5863	1291	1291
3	Rajasthan	10772	8591	6466	6465
4	Delhi	4390	2984	672	672
5	Uttar Pradesh	15455	15223	8388	8216
6	Uttarakhand	1586	1453	572	500
7	Himachal Pradesh	1546	1339	242	224
8	Jammu & Kashmir	1885	1674	103	0
9	Chandigarh	239	140	0	0
10	ISGS/IPPs	21	20	17492	10342
	Total NR	49409	42527	38066	30493
II	EASTERN REGION				
1	Bihar	5270	3543	384	344
2	Jharkhand	1319	897	343	353
3	Damodar Valley Corporation	2778	2497	4539	3736
4	Orissa	3510	2815	2940	2400
5	West Bengal	6243	4932	4120	3510
6	Sikkim	112	44	0	0
7	Bhutan	169	167	410	310
8	ISGS/IPPs	-169	-167	12601	8839
	Total ER	19231	14729	25336	19491
III	WESTERN REGION				
1	Maharashtra	15755	12169	11328	8384
2	Gujarat	14507	10549	10695	8989
3	Madhya Pradesh	8975	7585	2837	2894
4	Chattisgarh	3209	2762	1744	1675
5	Daman and Diu	312	279	0	0
6	Dadra and Nagar Haveli	777	727	0	0
7	Goa-WR	526	406	0	0
8	ISGS/IPPs	4294	3129	36705	29913
	Total WR	48355	37606	63309	51855

S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
IV	SOUTHERN REGION				
1	Andhra Pradesh	8576	5276	7951	5986
2	Telangana	11920	10877	5548	4648
3	Karnataka	8486	4761	6172	3342
4	Tamil Nadu	13826	10812	6353	5252
5	Kerala	3710	2288	1623	215
6	Pondy	328	324	0	0
7	Goa-SR	51	51	0	0
8	ISGS/IPPs	0	0	13717	10412
	Total SR	46898	34388	41363	29856
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	104	65	12	8
2	Assam	1230	938	295	245
3	Manipur	181	86	0	0
4	Meghalaya	297	227	272	231
5	Mizoram	111	66	52	34
6	Nagaland	101	81	14	14
7	Tripura	238	142	73	71
8	ISGS/IPPs	145	81	2435	2194
	Total NER	2406	1686	3153	2796
	Total All India	166155	130855	171228	134491