

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

Issue Date: 27th December 2020

Issue Time: 1800 hrs

Revision No. 17

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 December 2020 to 31st December 2020	00-06	2500	500	2000	195	1805		
		06-18				1281	719		
		18-24				195	1805		
WR-NR*	1st December 2020 to 07th December 2020	00-06	17850	500	17350	10580	6770		
			16900**		16400**	9630**			
		06-18	17850	500	17350	11059	6291		
			16900**		16400**	10109**			
		18-24	17850	500	17350	10580	6770		
			16900**		16400**	9630**			
WR-NR*	8th December 2020	00-06	17850	500	17350	10580	6770		
			16900**		16400**	9630**			
		06-08	17850	500	17350	11059	6291		
			16900**		16400**	10109**			
		08-18	16600	500	16100	11059	6291		
			15650**		15150**	10109**			
18-24	16600	500	16100	10580	6770				
	15650**		15150**	9630**					
WR-NR*	9th December 2020	00-06	16600	500	16100	10580	6770		
			15650**		15150**	9630**			
		06-18	16600	500	16100	11059	6291		
			15650**		15150**	10109**			
		18-24	16600	500	16100	10580	6770		
			15650**		15150**	9630**			
WR-NR*	10th December 2020 to 13th December 2020	00-06	17850	500	17350	10580	6770		
			16900**		16400**	9630**			
		06-18	17850	500	17350	11059	6291		
			16900**		16400**	10109**			
		18-24	17850	500	17350	10580	6770		
			16900**		16400**	9630**			
WR-NR*	14th December 2020	00-06	17850	500	17350	10580	6770		
			16900**		16400**	9630**			
		06-08	17850	500	17350	11059	6291		
			16900**		16400**	10109**			
		08-18	16600	500	16100	11059	5041		
			15650**		15150**	10109**			
18-24	16600	500	16100	10580	5520				
	15650**		15150**	9630**					

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WR-NR*	15th December 2020 to 20th December 2020	00-06	17850	500	17350	10580	6770			
			16900**		16400**	9630**				
		06-18	17850	500	17350	11059	6291			
			16900**		16400**	10109**				
		18-24	17850	500	17350	10580	6770			
			16900**		16400**	9630**				
WR-NR*	21st December 2020	00-06	17850	500	17350	10580	6770			
			16900**		16400**	9630**				
		06-08	17850	500	17350	11059	6291			
			16900**		16400**	10109**				
		08-18	16600	500	16100	11059	5041			
			15650**		15150**	10109**				
18-24	16600	500	16100	10580	5520					
	15650**		15150**	9630**						
WR-NR*	22nd December 2020	00-06	17850	500	17350	10580	6770			
			16900**		16400**	9630**				
		06-08	17850	500	17350	11059	6291			
			16900**		16400**	10109**				
		08-18	16600	500	16100	11059	5041			
			15650**		15150**	10109**				
18-24	16600	500	16100	10580	5520					
	15650**		15150**	9630**						
WR-NR*	23rd December 2020 to 28th December 2020	00-06	17850	500	17350	10580	6770			
			16900**		16400**	9630**				
		06-18	17850	500	17350	11059	6291			
			16900**		16400**	10109**				
		18-24	17850	500	17350	10580	6770			
			16900**		16400**	9630**				
WR-NR*	29th December 2020	00-06	17850	500	17350	10580	6770	Revised TTC/ATC due to shutdown of 765KV Gwalior-Phagi-2		
			16900**		16400**	9630**				
		06-08	17850	500	17350	11059	6291			
			16900**		16400**	10109**				
		08-18	16600	500	16100	11059	5041			-1250
			15650**		15150**	10109**				
18-24	16600	500	16100	10580	5520	-1250				
	15650**		15150**	9630**						

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WR-NR*	30th December 2020	00-06	17850	500	17350	10580	6770		Revised TTC/ATC due to shutdown of 765KV Gwalior-Phagi-2
			16900**		16400**	9630**			
		06-08	17850	500	17350	11059	6291		
			16900**		16400**	10109**			
		08-18	16600	500	16100	11059	5041	-1250	
	15650**	15150**	10109**						
	18-24	16600	500	16100	10580	5520	-1250		
		15650**		15150**	9630**				
WR-NR*	30th December 2020 to 31st December 2020	00-06	17850	500	17350	10580	6770		
			16900**		16400**	9630**			
		06-18	17850	500	17350	11059	6291		
			16900**		16400**	10109**			
18-24	17850	500	17350	10580	6770				
	16900**		16400**	9630**					
NR-ER*	1st December 2020 to 31st December 2020	00-06	2000	200	1800	193	1607		
		06-18	2000		1800	303	1497		
		18-24	2000		1800	193	1607		
ER-NR*	1st December 2020 to 07th December 2020	00-24	5500	300	5200	4066	1134		
ER-NR*	8th December 2020	00-08	5500	300	5200	4066	1134		
		08-24	5100	300	4800	4066	734		
ER-NR*	9th December 2020	00-24	5100	300	4800	4066	734		
ER-NR*	10th December 2020 to 13th December 2020	00-24	5500	300	5200	4066	1134		
ER-NR*	14th December 2020	00-08	5500	300	5200	4066	1134		
		08-24	5100	300	4800	4066	734		
ER-NR*	15th December 2020 to 20th December 2020	00-24	5500	300	5200	4066	1134		
ER-NR*	21st December 2020	00-08	5500	300	5200	4066	1134		
		08-24	5100	300	4800	4066	734		

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ER-NR*	22nd December 2020	00-08	5500	300	5200	4066	1134		
		08-24	5100	300	4800	4066	734		
ER-NR*	23rd December 2020 to 28th December 2020	00-24	5500	300	5200	4066	1134		
ER-NR*	29th December 2020	00-08	5500	300	5200	4066	1134		
		08-24	5100	300	4800	4066	734	-400	Revised TTC/ATC due to shutdown of 765KV Gwalior-Phagi-2
ER-NR*	30th December 2020	00-08	5500	300	5200	4066	1134		
		08-24	5100	300	4800	4066	734	-400	Revised TTC/ATC due to shutdown of 765KV Gwalior-Phagi-2
ER-NR*	30th December 2020 to 31st December 2020	00-24	5500	300	5200	4066	1134		
W3-ER	1st December 2020 to 31st December 2020	00-24	No limit is being specified.						
ER-W3	1st December 2020 to 31st December 2020	00-24	No limit is being specified.						

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WR-SR <sup>^</sup>	1st December 2020	00-05	8000	500	7500	4073	3427		
		05-07	8000		7500		3427		
		07-22	7900		7400		3327		
		22-24	7900		7400		3327		
	2nd December 2020	00-05	8000	500	7500	4073	3427		
		05-22	8000		7500		3427		
		22-24	8000		7500		3427		
	3rd December 2020	00-05	8000	500	7500	4073	3427		
		05-09	8000		7500		3427		
		09-22	7300		6800		2727		
		22-24	7300		6800		2727		
	WR-SR <sup>^</sup>	4th December 2020	00-05	8000	500	7500	4073	3427	
05-22			8000	7500		3427			
22-24			8000	7500		3427			
5th December 2020		00-05	8000	500	7500	4073	3427		
		05-09	8000		7500		3427		
		09-22	7350		6850		2777		
		22-24	7350		6850		2777		
6th December 2020 to 09th Dec 2020		00-05	8000	500	7500	4073	3427		
		05-22	8000		7500		3427		
		22-24	8000		7500		3427		
10th December 2020		00-05	8000	500	7500	4073	3427		
		05-0830	8000		7500		3427		
		0830-22	7950		7450		3377		
		22-24	7950		7450		3377		
11th December 2020 to 18th Dec 2020		00-05	8000	500	7500	4073	3427		
		05-22	8000		7500		3427		
		22-24	8000		7500		3427		
19th December 2020		00-05	8000	500	7500	4073	3427		
		05-07	8000		7500		3427		
		07-22	7950		7450		3377		
		22-24	7950		7450		3377		
20th December 2020		00-05	7950	500	7450	4073	3377		
		05-07	7950		7450		3377		
		07-10	7950		7450		3377		
	10-22	7600	7100		3027				
	22-24	7600	7100		3027				
21st December 2020 to 31st Dec 2020	00-05	8000	500	7500	4073	3427			
	05-22	8000		7500		3427			
	22-24	8000		7500		3427			
SR-WR *	1st December 2020 to 31st December 2020	00-24	4600	400	4200	550	3650		
ER-SR <sup>^</sup>	1st December 2020	00-06	5900	250	5650	2673	2977		
		06-07	5900		5650	2758	2892		
		07-18	5150		4900	2758	2142		
		18-24	5150		4900	2673	2227		

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ER-SR <sup>^</sup>	2nd December 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		
ER-SR <sup>^</sup>	3rd December 2020	00-06	5900	250	5650	2673	2977		
		06-09	5900		5650	2758	2892		
		09-18	5650		5400	2758	2642		
		18-24	5650		5400	2673	2727		
ER-SR <sup>^</sup>	4th December 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		
ER-SR <sup>^</sup>	5th December 2020	00-06	5900	250	5650	2673	2977		
		06-09	5900		5650	2758	2892		
		09-18	5650		5400	2758	2642		
		18-24	5650		5400	2673	2727		
ER-SR <sup>^</sup>	6th December 2020 to 8th December 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		
ER-SR <sup>^</sup>	9th December 2020	00-06	5900	250	5650	2673	2977		
		06-08	5900		5650	2758	2892		
		08-18	5550		5300	2758	2542		
		18-24	5550		5300	2673	2627		
ER-SR <sup>^</sup>	10th December 2020	00-06	5900	250	5650	2673	2977		
		06-0830	5900		5650	2758	2892		
		0830-18	5450		5200	2758	2442		
		18-24	5450		5200	2673	2527		
ER-SR <sup>^</sup>	11th December 2020 to 15th December 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		
ER-SR <sup>^</sup>	16th December 2020	00-06	5900	250	5650	2673	2977		
		06-07	5900		5650	2758	2892		
		07-18	5550		5300	2758	2542		
		18-24	5550		5300	2673	2627		
ER-SR <sup>^</sup>	17th December 2020 to 18th December 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		

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ER-SR <sup>^</sup>	19th December 2020	00-06	5900	250	5650	2673	2977		
		06-07	5900		5650	2758	2892		
		07-18	3950		3700	2758	942		
		18-24	3950		3700	2673	1027		
ER-SR <sup>^</sup>	20th December 2020	00-06	3950	250	3700	2673	1027		
		06-07	3950		3700	2758	942		
		07-10	3950		3700	2758	942		
		10-18	3300		3050	2758	292		
		18-24	3300		3050	2673	377		
ER-SR <sup>^</sup>	21st December 2020 to 27th December 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		
ER-SR <sup>^</sup>	28th December 2020	00-06	5900	250	5650	2673	2977		
		06-07	5900		5650	2758	2892		
		07-18	5600		5350	2758	2592		
		18-24	5600		5350	2673	2677		
ER-SR <sup>^</sup>	29th December 2020 to 31st December 2020	00-06	5900	250	5650	2673	2977		
		06-18				2758	2892		
		18-24				2673	2977		
SR-ER *	1st December 2020 to 31st December 2020	00-24	No limit is being Specified.						
ER-NER*	1st December 2020 to 2nd December 2020	00-02	650	45	605	474	131		
		02-07	650		605	474	131		
		07-12	650		605	474	131		
		12-17	650		605	474	131		
		17-21	420		375	474	0		
		21-23	650		605	474	131		
		23-24	650		605	474	131		



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ER-NER*	3rd December 2020 to 7th December 2020	00-02	1150	45	1105	474	631		
		02-07	1150		1105	474	631		
		07-12	1150		1105	474	631		
		12-17	1150		1105	474	631		
		17-21	920		875	474	401		
		21-23	1150		1105	474	631		
		23-24	1150		1105	474	631		
ER-NER*	8th December 2020	00-08	1150	45	1105	432	673		
		08-17	950		905	432	473		
		17-21	700		655	432	223		
		21-24	950		905	432	473		
ER-NER*	9th December 2020 to 27th December 2020	00-02	1150	45	1105	474	631		
		02-07	1150		1105	474	631		
		07-12	1150		1105	474	631		
		12-17	1150		1105	474	631		
		17-21	920		875	474	401		
		21-23	1150		1105	474	631		
		23-24	1150		1105	474	631		
ER-NER*	28th December 2020	00-02	1150	45	1105	432	673		
		02-07	1150		1105	432	673		
		07-8	1150		1105	432	673		
		08-12	900		855	432	423		
		12-17	900		855	432	423		
		17-21	600		555	432	123		
		21-23	900		855	432	423		
		23-24	900		855	432	423		



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ER-NER*	29th December 2020 to 31st December 2020	00-02	1150	45	1105	474	631		
		02-07	1150		1105	474	631		
		07-12	1150		1105	474	631		
		12-17	1150		1105	474	631		
		17-21	920		875	474	401		
		21-23	1150		1105	474	631		
		23-24	1150		1105	474	631		
NER-ER*	1st December 2020 to 2nd December 2020	00-02	3000	45	2955	42	2913		
		02-07	3000		2955	42	2913		
		07-12	3000		2955	42	2913		
		12-17	3000		2955	42	2913		
		17-21	3180		3135	42	3093		
		21-23	3000		2955	42	2913		
		23-24	3000		2955	42	2913		
NER-ER*	3rd December 2020 to 07th December 2020	00-02	2500	45	2455	42	2413		
		02-07	2500		2455	42	2413		
		07-12	2500		2455	42	2413		
		12-17	2500		2455	42	2413		
		17-21	2680		2635	42	2593		
		21-23	2500		2455	42	2413		
		23-24	2500		2455	42	2413		
NER-ER*	8th December 2020	00-08	2500	45	2455	42	2413		
		08-17	2230		2185	42	2413		
		17-21	2120		2075	42	2033		
		21-24	2230		2185	42	2143		

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NER-ER*	9th December 2020 to 27th December 2020	00-02	2500	45	2455	42	2413		
		02-07	2500		2455	42	2413		
		07-12	2500		2455	42	2413		
		12-17	2500		2455	42	2413		
		17-21	2680		2635	42	2593		
		21-23	2500		2455	42	2413		
		23-24	2500		2455	42	2413		
NER-ER*	28th December 2020	00-02	2500	45	2455	42	2413		
		02-07	2500		2455	42	2413		
		07-08	2500		2455	42	2413		
		08-12	2000		1955	42	1913		
		12-17	2000		1955	42	1913		
		17-21	2230		2185	42	2143		
		21-23	2000		1955	42	1913		
		23-24	2000		1955	42	1913		
NER-ER*	29th December 2020 to 31st December 2020	00-02	2500	45	2455	42	2413		
		02-07	2500		2455	42	2413		
		07-12	2500		2455	42	2413		
		12-17	2500		2455	42	2413		
		17-21	2680		2635	42	2593		
		21-23	2500		2455	42	2413		
		23-24	2500		2455	42	2413		

<b>W3 zone Injection</b>	1st December 2020 to 31st December 2020	00-24	No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)						
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**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.

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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) KWPC, 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 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 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 December 2020 to 07th December 2020	00-06	Issue Time: 1700 hrs	800	22550	14646	7904		
		06-09	23350		21600**	13696**			
			22400**		22550	15125	7425		
		09-17	23350		21600**	14175**			
			22400**		22550	15125	7425		
		17-18	23350		22550	15125	7425		
22400**	21600**		14175**						
18-24	23350	22550	14646	7904					
	22400**	21600**	13696**						
NR*	8th December 2020	00-06	23350	800	22550	14646	7904		
		06-08	22400**		21600**	13696**			
			23350		22550	15125	7425		
		08-18	21700		21600**	14175**			
			20750**		20900	15125	7425		
		18-24	21700		20900	14646	7904		
20750**	19950**		13696**						
NR*	9th December 2020	00-06	21700	800	20900	14646	7904		
		06-08	20750**		19950**	13696**			
			21700		20900	15125	7425		
		08-18	20750**		19950**	14175**			
			21700		20900	15125	7425		
		18-24	21700		20900	14646	7904		
20750**	19950**		13696**						
NR*	10th December 2020 to 13th December 2020	00-06	23350	800	22550	14646	7904		
		06-09	22400**		21600**	13696**			
			23350		22550	15125	7425		
		09-17	22400**		21600**	14175**			
			23350		22550	15125	7425		
		17-18	22400**		21600**	14175**			
23350	22550		14646	7904					
18-24	22400**	21600**	13696**						

NR*	14th December 2020	00-06	23350	800	22550	14646	7904	
			22400**		21600**	13696**		
		06-08	23350		22550	15125	7425	
			22400**		21600**	14175**		
		08-09	21700		20900	15125	5775	
			20750**		19950**	14175**		
09-17	21700	20900	15125	5775				
	20750**	19950**	14175**					
17-18	21700	20900	15125	5775				
	20750**	19950**	14175**					
18-24	21700	20900	14646	6254				
	20750**	19950**	13696**					
NR*	15th December 2020 to 20th December 2020	00-06	23350	800	22550	14646	7904	
			22400**		21600**	13696**		
		06-09	23350		22550	15125	7425	
			22400**		21600**	14175**		
		09-17	23350		22550	15125	7425	
			22400**		21600**	14175**		
17-18	23350	22550	15125	7425				
	22400**	21600**	14175**					
18-24	23350	22550	14646	7904				
	22400**	21600**	13696**					
NR*	21st December 2020	00-06	23350	800	22550	14646	7904	
			22400**		21600**	13696**		
		06-08	23350		22550	15125	7425	
			22400**		21600**	14175**		
		08-09	21700		20900	15125	5775	
			20750**		19950**	14175**		
09-17	21700	20900	15125	5775				
	20750**	19950**	14175**					
17-18	21700	20900	15125	5775				
	20750**	19950**	14175**					
18-24	21700	20900	14646	6254				
	20750**	19950**	13696**					

NR*	22nd December 2020	00-06	23350 22400**	800	22550 21600**	14646 13696**	7904		
		06-08	23350 22400**		22550 21600**	15125 14175**	7425		
		08-09	21700 20750**		20900 19950**	15125 14175**	5775		
		09-17	21700 20750**		20900 19950**	15125 14175**	5775		
		17-18	21700 20750**		20900 19950**	15125 14175**	5775		
		18-24	21700 20750**		20900 19950**	14646 13696**	6254		
NR*	23rd December 2020 to 28th December 2020	00-06	23350 22400**	800	22550 21600**	14646 13696**	7904		
		06-09	23350 22400**		22550 21600**	15125 14175**	7425		
		09-17	23350 22400**		22550 21600**	15125 14175**	7425		
		17-18	23350 22400**		22550 21600**	15125 14175**	7425		
		18-24	23350 22400**		22550 21600**	14646 13696**	7904		
NR*	29th December 2020	00-06	23350 22400**	800	22550 21600**	14646 13696**	7904		Revised TTC/ATC due to shutdown of 765KV Gwalior-Phagi-2
		06-08	23350 22400**		22550 21600**	15125 14175**	7425		
		08-09	21700 20750**		20900 19950**	15125 14175**	5775	-1650	
		09-17	21700 20750**		20900 19950**	15125 14175**	5775	-1650	
		17-18	21700 20750**		20900 19950**	15125 14175**	5775	-1650	
		18-24	21700 20750**		20900 19950**	14646 13696**	6254	-1650	

NR*	30th December 2020	00-06	23350 22400**	800	22550 21600**	14646 13696**	7904		Revised TTC/ATC due to shutdown of 765KV Gwalior-Phagi-2
		06-08	23350 22400**		22550 21600**	15125 14175**	7425		
		08-09	21700 20750**		20900 19950**	15125 14175**	5775	-1650	
		09-17	21700 20750**		20900 19950**	15125 14175**	5775	-1650	
		17-18	21700 20750**		20900 19950**	15125 14175**	5775	-1650	
		18-24	21700 20750**		20900 19950**	14646 13696**	6254	-1650	
		00-06	23350 22400**		22550 21600**	14646 13696**	7904		
NR*	30th December 2020 to 31st December 2020	06-09	23350 22400**	800	22550 21600**	15125 14175**	7425		
		09-17	23350 22400**		22550 21600**	15125 14175**	7425		
		17-18	23350 22400**		22550 21600**	15125 14175**	7425		
		18-24	23350 22400**		22550 21600**	14646 13696**	7904		
		00-02	1150		45	1105	474	631	
02-07	1150	1105	474	631					
07-12	1150	1105	474	631					
12-17	1150	1105	474	631					
17-21	920	875	474	401					
21-23	1150	1105	474	631					
23-24	1150	1105	474	631					
NER*	8th December 2020	00-02	1150	45	1105	432	673		
		02-07	1150		1105	432	673		
		07-08	1150		1105	432	673		
		08-12	950		905	432	473		
		12-17	950		905	432	473		
		17-21	700		655	432	223		
		21-23	950		905	432	473		
		23-24	950		905	432	473		
NER*	9th December 2020 to 27th December 2020	00-02	1150	45	1105	474	631		
		02-07	1150		1105	474	631		
		07-12	1150		1105	474	631		
		12-17	1150		1105	474	631		
		17-21	920		875	474	401		
		21-23	1150		1105	474	631		
		23-24	1150		1105	474	631		



<b>NER*</b>	28th December 2020	00-02	1150	45	1105	432	673	
		02-07	1150		1105	432	673	
		07-08	1150		1105	432	673	
		08-12	900		855	432	423	
		12-17	900		855	432	423	
		17-21	600		555	432	123	
		21-23	900		855	432	423	
		23-24	900		855	432	423	
<b>NER*</b>	29th December 2020 to 31st December 2020	00-02	1150	45	1105	474	631	
		02-07	1150		1105	474	631	
		07-12	1150		1105	474	631	
		12-17	1150		1105	474	631	
		17-21	920		875	474	401	
		21-23	1150		1105	474	631	
		23-24	1150		1105	474	631	
<b>WR*</b>								
<b>SR*#</b>	1st December 2020	00-06	13900	750	13150	6746	6404	
		06-07	13900		13900	6831	7069	
		07-18	13050		12300	6831	5469	
		18-24	13050		12300	6746	5554	
<b>SR*#</b>	2nd December 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	
<b>SR*#</b>	3rd December 2020	00-06	13900	750	13150	6746	6404	
		06-09	13900		13900	6831	7069	
		09-18	12950		12200	6831	5369	
		18-24	12950		12200	6746	5454	
<b>SR*#</b>	4th December 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	
<b>SR*#</b>	5th December 2020	00-06	13900	750	13150	6746	6404	
		06-09	13900		13900	6831	7069	
		09-18	12950		12200	6831	5369	
		18-24	12950		12200	6746	5454	
<b>SR*#</b>	6th December 2020 to 8th December 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	
<b>SR*#</b>	9th December 2020	00-06	13900	750	13150	6746	6404	
		06-08	13900		13150	6831	6319	
		08-18	13550		12800	6831	5969	
		18-24	13550		12800	6746	6054	
<b>SR*#</b>	10th December 2020	00-06	13900	750	13150	6746	6404	
		06-0830	13900		13150	6831	6319	
		0830-18	13400		12650	6831	5819	
		18-24	13400		12650	6746	5904	

SR <sup>#</sup>	11th December 2020 to 15th December 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	
SR <sup>#</sup>	16th December 2020	00-06	13900	750	13150	6746	6404	
		06-07	13900		13150	6831	6319	
		07-18	13550		12800	6831	5969	
		18-24	13550		12800	6746	6054	
SR <sup>#</sup>	17th December 2020 to 18th December 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	
SR <sup>#</sup>	19th December 2020	00-06	13900	750	13150	6746	6404	
		06-07	13900		13150	6831	6319	
		07-18	11900		11150	6831	4319	
		18-24	11900		11150	6746	4404	
SR <sup>#</sup>	20th December 2020	00-06	11900	750	11150	6746	4404	
		06-07	11900		11150	6831	4319	
		07-10	11900		11150	6831	4319	
		10-18	10900		10150	6831	3319	
		18-24	10900		10150	6746	3404	
SR <sup>#</sup>	21st December 2020 to 27th December 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	
SR <sup>#</sup>	28th December 2020	00-06	13900	750	13150	6746	6404	
		06-07	13900		13150	6831	6319	
		07-18	13600		12850	6831	6019	
		18-24	13600		12850	6746	6104	
SR <sup>#</sup>	21st December 2020 to 31st December 2020	00-06	13900	750	13150	6746	6404	
		06-18	13900		13150	6831	6319	
		18-24	13900		13150	6746	6404	

\* 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 - Vindhyaachal 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
NER*	1st December 2020 to 31st December 2020	00-06	4500	700	3800	388	3412		
		06-18	4500		3800	1584	2216		
		18-24	4500		3800	388	3412		
NER*	1st December 2020 to 7th December 2020	00-02	2500	45	2455	42	2413		
		02-07	2500		2455	42	2413		
		07-12	2500		2455	42	2413		
		12-17	2500		2455	42	2413		
		17-21	2680		2635	42	2593		
		21-23	2500		2455	42	2413		
		23-24	2500		2455	42	2413		
NER*	8th December 2020	00-02	2500	45	2455	42	2413		
		02-07	2500		2455	42	2413		
		07-08	2500		2455	42	2413		
		08-12	2230		2185	42	2143		
		12-17	2230		2185	42	2143		
		17-21	2120		2075	42	2033		
		21-23	2230		2185	42	2143		
		23-24	2230		2185	42	2143		
NER*	9th December 2020 to 27th December 2020	00-02	2500	45	2455	42	2413		
		02-07	2500		2455	42	2413		
		07-12	2500		2455	42	2413		
		12-17	2500		2455	42	2413		
		17-21	2680		2635	42	2593		
		21-23	2500		2455	42	2413		
		23-24	2500		2455	42	2413		
NER*	28th December 2020	00-02	2500	45	2455	42	2413		
		02-07	2500		2455	42	2413		
		07-08	2500		2455	42	2413		
		08-12	2000		1955	42	1913		
		12-17	2000		1955	42	1913		
		17-21	2230		2185	42	2143		
		21-23	2000		1955	42	1913		
		23-24	2000		1955	42	1913		
NER*	29th December 2020 to 31st December 2020	00-02	2500	45	2455	42	2413		
		02-07	2500		2455	42	2413		
		07-12	2500		2455	42	2413		
		12-17	2500		2455	42	2413		
		17-21	2680		2635	42	2593		
		21-23	2500		2455	42	2413		
		23-24	2500		2455	42	2413		

WR*									
SR*^	1st December 2020 to 31st December 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 1100 MVA, 765/400 kV ICT at Orai will overload the other ICT		Rev- 0 to 2	
	N-1 contingency of 1700 MVA, 765/400 kV ICT at Agra will overload the other ICT		Rev- 3 to 17	
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli		Rev- 0 to 17	
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 17	
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 1, 6	
	n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt		Rev- 0 to 1, 6, 12 to 17	
	Low Voltage at Gazuwaka (East) Bus.		Rev- 0 to 1, 6, 12 to 17	
WR-SR and ER-SR	N-1 of one ICT of 765/400 kV, 1700 MVA ICT at Nizamabad will overload the other ICT		Rev- 2 to 5, 7 to 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 2x317 MVA ICTs		Rev- 0 to 17	
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 2	
	High Loading of 220 kV Balipara Sonabil (200 MW)		Rev- 3 to 17	
NER-ER	a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar-Killing Line		Rev- 0 to 17	
W3 zone Injection	---		Rev- 0 to 17	
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 17	
		N-1 contingency of 1100 MVA, 765/400 kV ICT at Orai will overload the other ICT		Rev- 0 to 2
		N-1 contingency of 1700 MVA, 765/400 kV ICT at Agra will overload the other ICT		Rev- 3 to 17
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.		Rev- 0 to 17
(n-1) contingency of 400 kV Saranath-Pusauli				
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 2	
		High Loading of 220 kV Balipara Sonabil (200 MW)		Rev- 3 to 17
	Export	a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar-Killing Line	Rev- 0 to 17	
SR	Import	n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt	Rev- 0 to 1, 6	
		n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt		Rev- 0 to 1, 6, 12 to 17
		Low Voltage at Gazuwaka (East) Bus		Rev- 0 to 1, 6, 12 to 17
	Import	N-1 of one ICT of 765/400 kV, 1700 MVA ICT at Nizamabad will overload the other ICT		Rev- 2 to 5, 7 to 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		Rev- 0 to 17
		N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x317 MVA ICTs		

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

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
1	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
2	28th Oct 2020	Whole Month	TTC/ATC revised after commissioning of HVDC Raigarh – Pugalur Pole -1	WR-SR/ER-SR/Import of SR
			STOA margin 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
3	29th Nov 2020	1st December 2020	Revision in TTC/ATC due to planned outage of 765 kV Angul - Srikakulam circuit 1	WR-SR/ER-SR/Import of NR
		Whole Month	(i) Revised TTC/ATC due to change in direction of HVDC BNC-AGRA for operational requirement (ii) Revised STOA margin due to: (a) change in LTA quantum from ALFANAR_SECI-III (Wind) to Delhi DISCOMS (increment of 17 MW) (b) Change in LTA quantum from RWE_APL2_SECI-III (Ghadsisa, Wind) to Haryana (increment of 45 MW)	WR-NR/ER-NR/Import of NR
			Revised TTC/ATC due to: (a) 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 BNC-AGRA flow of 500 MW towards Biswanath Chariali	ER-NER/NER-ER/Import/Export of NER
4	1st Dec 2020	3rd Dec 2020	Revised TTC/ATC due to day time shutdown of 765/400 kV Maheshwaram ICT-1	WR-SR /ER-SR/Import of SR
5	2nd Dec 2020	3rd Dec 2020 to 31st Dec 2020	Revised TTC/ATC considering HVDC BNC-AGRA direction change towards NER	ER-NER/NER-ER
6	3rd Dec 2020	5th Dec 2020	Revised TTC/ATC due to day time shutdown of 765 kV Wardha-Nizamabad ckt-2 along with 765/400 kV, 1500 MVA, Maheshwaram ICT-2	ER-SR/WR-SR/Import of SR
7	6th Dec 2020	8th Dec 2020 to 9th Dec 2020	Revised TTC/ATC due to shutdown of 765 kV Gwalior-Phagi ckt-1	WR-NR/ER-NR/Import of NR
		8th Dec 2020	Revised TTC/ATC due to S/D of 400KV Bongaigaon-Azara line	ER-NER/NER-ER Import/Export of NER
8	7th Dec 2020	9th Dec 2020	Revised TTC/ATC due to shutdown of HVDC Gazuwaka pole-1 along with 765/400KV Srikakulam ICT-1	ER-SR/Import of SR



9	8th Dec 2020	10th Dec 2020	Revised TTC/ATC due to shutdown of 765KV Srikakulam-Vemagiri ckt-2	ER-SR,WR-SR/Import of SR
10	12th Dec 2020	14th Dec 2020	Revised TTC/ATC due to shutdown of 765KV Gwalior-Phagi-2	WR-NR/ER-NR/Import of NR
11	14th Dec 2020	16th Dec 2020	Revised TTC/ATC due to shutdown of 220KV Jaynagar-Jeypore-1	ER-SR/Import of SR
12	17th Dec 2020	19th Dec 2020	Revised TTC/ATC due to shutdown of HVDC Talcher Kolar Bipole	ER-SR/WR-SR/Import of SR
13	18th Dec 2020	20th Dec 2020	Revised TTC/ATC due to shutdown of HVDC Talcher Kolar Bipole and 400 kV Jeypore – G'waka 1 & 2.	ER-SR/WR-SR/Import of SR
14	19th Dec 2020	21st Dec 2020	Revised TTC/ATC due to Shutdown of 765KV Gwalior-Phagi ckt-2	WR-NR/ER-NR/Import of NR
15	20th Dec 2020	22nd Dec 2020	Revised TTC/ATC due to Shutdown of 765KV Gwalior-Phagi ckt-2	WR-NR/ER-NR/Import of NR
16	26th Dec 2020	28th Dec 2020	Revised TTC/ATC due to Shutdown of 400KV-MEERAMUNDALI-BOLANGIR-1	ER-SR/Import of SR
17	26th Dec 2020	28th Dec 2020	Revised TTC/ATC due to Shutdown of 400kV Byrnihat-Bongaigaon	NER IMPORT/EXPORT
17	26th Dec 2020	29th & 30th Dec 2020	Revised TTC/ATC due to Shutdown of 765KV Gwalior-Phagi-2	WR-NR/ER-NR/Import of NR

ASSUMPTIONS IN BASECASE					
				Month : December'2020	
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	6289	5587	2595	2544
2	Haryana	6451	5257	1291	1291
3	Rajasthan	10865	10750	7532	7509
4	Delhi	4834	3248	672	672
5	Uttar Pradesh	13586	13698	8714	8693
6	Uttarakhand	1466	1418	665	601
7	Himachal Pradesh	1163	978	254	164
8	Jammu & Kashmir	1971	2184	467	316
9	Chandigarh	245	167	0	0
10	ISGS/IPPs	20	20	13796	9540
	<b>Total NR</b>	<b>46890</b>	<b>43308</b>	<b>35985</b>	<b>31329</b>
II	<b>EASTERN REGION</b>				
1	Bihar	5262	5288	384	384
2	Jharkhand	1551	1581	343	343
3	Damodar Valley Corporation	2761	2816	4539	4539
4	Orissa	3490	3559	2940	2940
5	West Bengal	6213	6305	4120	4120
6	Sikkim	111	113	0	0
7	Bhutan	167	171	410	310
8	ISGS/IPPs	-167	-171	12601	12701
	<b>Total ER</b>	<b>19388</b>	<b>19663</b>	<b>25336</b>	<b>25336</b>
III	<b>WESTERN REGION</b>				
1	Maharashtra	15121	12798	9403	8974
2	Gujarat	13777	11083	9019	8248
3	Madhya Pradesh	10000	6622	3769	3926
4	Chattisgarh	3395	2532	1711	2198
5	Daman and Diu	280	276	0	0
6	Dadra and Nagar Haveli	741	754	0	0
7	Goa-WR	492	416	0	0
8	ISGS/IPPs	3644	2828	37593	27186
	<b>Total WR</b>	<b>47449</b>	<b>37309</b>	<b>61495</b>	<b>50532</b>
IV	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	8333	5152	7856	5986
2	Telangana	11615	10733	5548	4648
3	Karnataka	9108	5083	6835	3639
4	Tamil Nadu	13505	10597	6062	5162
5	Kerala	3737	2345	1489	95
6	Pondy	314	316	0	0
7	Goa-SR	49	49	0	0
8	ISGS/IPPs	0	0	13941	10412
	<b>Total SR</b>	<b>46660</b>	<b>34276</b>	<b>41733</b>	<b>29942</b>

S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	104	66	12	8
2	Assam	1184	855	295	245
3	Manipur	222	109	0	0
4	Meghalaya	311	264	272	147
5	Mizoram	110	67	68	68
6	Nagaland	118	92	8	8
7	Tripura	220	131	73	69
8	ISGS/IPPs	134	83	2372	2114
	Total NER	2403	1667	3099	2659
	Total All India	162657	136138	167648	139799