

**National Load Despatch Centre  
Total Transfer Capability for August 2021**

Issue Date: 27th August, 2021

Issue Time: 18:00 hrs

Revision No. 22

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 August 2021 to 31st August 2021	00-06	2500	500	2000	378	1622		
		06-18				1206	794		
		18-24				378	1622		
WR-NR*	1st August 2021 to 25th August 2021	00-06	18450 17500**	1000	17450 16500**	11267 10317**	6183		
		06-18	18450 17500**	1000	17450 16500**	11656 10706**	5794		
		18-24	18450 17500**	1000	17450 16500**	11267 10317**	6183		
WR-NR*	26th August 2021 to 31st August 2021	00-06	19500 18550**	1000	18500 17550**	11267 10317**	7233		
		06-18	19500 18550**	1000	18500 17550**	11656 10706**	6844		
		18-24	19500 18550**	1000	18500 17550**	11267 10317**	7233		
NR-ER*	1st August 2021 to 31st August 2021	00-06	2000	200	1800	193	1607		
		06-18	2000		1800	603	1197		
		18-24	2000		1800	193	1607		
ER-NR*	1st August 2021 to 25th August 2021	00-24	6850	400	6450	4280	2170		
ER-NR*	26th August 2021 to 31st August 2021	00-24	5900	400	5500	4280	1220		
W3-ER	1st August 2021 to 31st August 2021	00-24	No limit is being specified.						
ER-W3	1st August 2021 to 31st August 2021	00-24	No limit is being specified.						
WR-SR^	1st August 2021 to 2nd August 2021	00-05	9350	650	8700	3596	5104		
		05-22	9350		8700		5104		
		22-24	9350		8700		5104		
WR-SR^	3rd August 2021	00-09	9350	650	8700	3596	5104		
		09-22	8450		7800		4204		
		22-24	8450		7800		4204		
WR-SR^	4th August 2021	00-09	9350	650	8700	3596	5104		
		09-22	8600		7950		4354		
		22-24	8600		7950		4354		
WR-SR^	5th August 2021	00-09	9350	650	8700	3596	5104		
		09-22	8450		7800		4204		
		22-24	8450		7800		4204		
WR-SR^	6th August 2021 to 12th August 2021	00-05	9350	650	8700	3596	5104		
		05-22	9350		8700		5104		
		22-24	9350		8700		5104		
WR-SR^	13th August 2021	00-08	9350	650	8700	3596	5104		
		08-22	8800		8150		4554		
		22-24	8800		8150		4554		
WR-SR^	14th August 2021 to 15th August 2021	00-05	9350	650	8700	3596	5104		
		05-22	9350		8700		5104		
		22-24	9350		8700		5104		
WR-SR^	16th August 2021	00-05	9350	650	8700	3596	5104		
		05-09	9350		8700		5104		
		09-22	9300		8650		5054		
		22-24	9300		8650		5054		

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WR-SR <sup>^</sup>	17th August	00-05	9350	650	8700	3596	5104		
		05-22	9350		8700		5104		
		22-24	9350		8700		5104		
WR-SR <sup>^</sup>	18th August 2021	00-09	9350	650	8700	3596	5104		
		09-22	9300		8650		5054		
		22-24	9300		8650		5054		
WR-SR <sup>^</sup>	19th August 2021 to 20th August 2021	00-05	9300	650	8650	3596	5054		
		05-22	9300		8650		5054		
		22-24	9300		8650		5054		
WR-SR <sup>^</sup>	21st August 2021	00-07	9300	650	8650	3596	5054		
		07-22	8700		8050		4454		
		22-24	8700		8050		4454		
WR-SR <sup>^</sup>	22nd August 2021	00-07	9300	650	8650	3596	5054		
		07-22	8700		8050		4454		
		22-24	8700		8050		4454		
WR-SR <sup>^</sup>	23rd August 2021 to 28th August 2021	00-05	9300	650	8650	3596	5054		
		05-22	9300		8650		5054		
		22-24	9300		8650		5054		
WR-SR <sup>^</sup>	29th August 2021	00-05	9300	650	8650	3596	5054		Revised TTC/ATC due to testing of HVDC Raigarh-Pugalur pole-4
		05-09	9300		8650		5054		
		09-11	5850		5200		1604	-3450	
		11-13	6550		5900		2304	-2750	
		13-15	6800		6150		2554	-2500	
		15-17	6950		6300		2704	-2350	
		17-22	6950		6300		2704	-2350	
		22-24	6950		6300		2704	-2350	
WR-SR <sup>^</sup>	30th August 2021	00-05	9300	650	8650	3596	5054		
		05-22	9300		8650		5054		
		22-24	9300		8650		5054		
WR-SR <sup>^</sup>	31st August 2021	00-05	9350	650	8700	3596	5104		
		05-22	9350		8700		5104		
		22-24	9350		8700		5104		
SR-WR*	1st August 2021 to 28th August 2021	00-09	6000	400	5600	845	4755		
		09-16	5100		4700	845	3855		
		16-24	6000		5600	845	4755		
SR-WR*	29th August 2021	00-09	6000	400	5600	845	4755		Revised TTC/ATC due to testing of HVDC Raigarh-Pugalur pole-4
		09-11	4600		4200	845	3355	-500	
		11-13	3950		3550	845	2705	-1150	
		13-15	3700		3300	845	2455	-1400	
		15-16	3600		3200	845	2355	-1500	
		16-17	4750		4350	845	3505	-1250	
		16-24	4750		4350	845	3505	-1250	
SR-WR*	30th August 2021 to 31st August 2021	00-09	6000	400	5600	845	4755		
		09-16	5100		4700	845	3855		
		16-24	6000		5600	845	4755		
ER-SR <sup>^</sup>	1st August 2021 to 2nd August 2021	00-06	5750	350	5400	2672	2728		
		06-18					2757	2643	
		18-24					2672	2728	
ER-SR <sup>^</sup>	3rd August 2021	00-06	5750	350	5400	2672	2728		
		06-09	5750	350	5400	2757	2643		
		09-18	5550	350	5200	2757	2443		
		18-24	5550	350	5200	2672	2528		
ER-SR <sup>^</sup>	4th August 2021	00-06	5750	350	5400	2672	2728		
		06-09	5750	350	5400	2757	2643		
		09-18	5550	350	5200	2757	2443		
		18-24	5550	350	5200	2672	2528		
ER-SR <sup>^</sup>	5th August 2021	00-06	5750	350	5400	2672	2728		
		06-09	5750	350	5400	2757	2643		
		09-18	5550	350	5200	2757	2443		
		18-24	5550	350	5200	2672	2528		

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ER-SR <sup>^</sup>	6th August 2021	00-06	5750	350	5400	2672	2728		
		06-18				2757	2643		
		18-24				2672	2728		
ER-SR <sup>^</sup>	7th August 2021	00-06	5750	350	5400	2672	2728		
		06-09	5750	350	5400	2757	2643		
		09-18	5400	350	5050	2757	2293		
		18-24	5400	350	5050	2672	2378		
ER-SR <sup>^</sup>	8th August 2021	00-06	5750	350	5400	2672	2728		
		06-18				2757	2643		
		18-24				2672	2728		
ER-SR <sup>^</sup>	9th August 2021	00-06	5750	350	5400	2672	2728		
		06-09	5750	350	5400	2757	2643		
		09-18	5400	350	5050	2757	2293		
		18-24	5400	350	5050	2672	2378		
ER-SR <sup>^</sup>	10th August 2021 to 15th August 2021	00-06	5750	350	5400	2672	2728		
		06-18				2757	2643		
		18-24				2672	2728		
ER-SR <sup>^</sup>	16th August 2021	00-06	5750	350	5400	2672	2728		
		06-09	5750		5400	2757	2643		
		09-18	5450		5100	2757	2343		
		18-24	5450		5100	2672	2428		
ER-SR <sup>^</sup>	17th August 2021	00-06	5750	350	5400	2672	2728		
		06-18	5750		5400	2757	2643		
		18-24	5750		5400	2672	2728		
ER-SR <sup>^</sup>	18th August 2021	00-06	5750	350	5400	2672	2728		
		06-09	5750		5400	2757	2643		
		09-18	5450		5100	2757	2343		
		18-24	5450		5100	2672	2428		
ER-SR <sup>^</sup>	19th August 2021 to 30th August 2021	00-06	5450	350	5100	2672	2428		
		06-18	5450		5100	2757	2343		
		18-24	5450		5100	2672	2428		
ER-SR <sup>^</sup>	31st August 2021	00-06	5750	350	5400	2672	2728		
		06-18				2757	2643		
		18-24				2672	2728		
SR-ER *	1st August 2021 to 31st August 2021	00-24	No limit is being Specified.						
ER-NER*	1st August 2021	00-02	1650	45	1605	474	631		
		02-08	1650		1605	474	631		
		08-12	860		815	474	41		
		12-18	860		815	474	41		
		18-22	820		775	474	1		
		22-24	860		815	474	41		
ER-NER*	2nd August 2021 to 06th August 2021	00-02	1060	45	1015	474	41		
		02-07	1060		1015	474	41		
		07-12	1060		1015	474	41		
		12-18	1060		1015	474	41		
		18-22	1020		975	474	1		
		22-24	1060		1015	474	41		
ER-NER*	07th August 2021	00-02	1650	45	1605	474	631		
		02-08	1650		1605	474	631		
		08-12	1060		1015	474	41		
		12-18	1060		1015	474	41		
		18-22	1020		975	474	1		
		22-24	1060		1015	474	41		

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ER-NER*	08th August 2021 to 12th August 2021	00-02	1060	45	1015	474	41		
		02-07	1060		1015	474	41		
		07-12	1060		1015	474	41		
		12-18	1060		1015	474	41		
		18-22	1060		1015	474	41		
		22-24	1020		975	474	1		
ER-NER*	13th August 2021 to 16th August 2021	00-02	1650	45	1605	474	631		
		02-07	1650		1605	474	631		
		07-12	1650		1605	474	631		
		12-18	1650		1605	474	631		
		18-22	1400		1355	474	381		
		22-24	1650		1605	474	631		
ER-NER*	17th August 2021	00-02	1650	45	1605	474	631		
		02-07	1650		1605	474	631		
		07-08	1650		1605	474	631		
		08-12	1150		1105	474	131		
		12-18	1150		1105	474	131		
		18-22	1060		1015	474	41		
ER-NER*	18th August 2021	22-24	1150	45	1105	474	131		
		00-02	1650		1605	474	631		
		02-07	1650		1605	474	631		
		07-08	1650		1605	474	631		
		08-12	1150		1105	474	131		
		12-18	1150		1105	474	131		
ER-NER*	19th August 2021 to 31st August 2021	18-22	1060	45	1015	474	41		
		22-24	1150		1105	474	131		
		00-02	1650		1605	474	631		
		02-07	1650		1605	474	631		
		07-12	1650		1605	474	631		
		12-18	1650		1605	474	631		
NER-ER*	1st August 2021	18-22	1400	45	1355	474	381		
		22-24	1650		1605	474	631		
		00-02	2970		2925	83	3342		
		02-08	2970		2925	83	3342		
		08-12	2820		2775	83	2992		
		12-18	2820		2775	83	2992		
NER-ER*	2nd August 2021 to 06th August 2021	18-22	2700	45	2655	83	2872		
		22-24	2820		2775	83	2992		
		00-02	2620		2575	83	2992		
		02-07	2620		2575	83	2992		
		07-12	2620		2575	83	2992		
		12-18	2620		2575	83	2992		
NER-ER*	07th August 2021	18-22	2500	45	2455	83	2872		
		22-24	2620		2575	83	2992		
		00-02	2970		2925	83	3342		
		02-08	2970		2925	83	3342		
		08-12	2620		2575	83	2992		
		12-18	2620		2575	83	2992		
NER-ER*	08th August 2021 to 12th August 2021	18-22	2500	45	2455	83	2872		
		22-24	2620		2575	83	2992		
		00-02	2620		2575	83	2992		
		02-07	2620		2575	83	2992		
		07-12	2620		2575	83	2992		
		12-18	2620		2575	83	2992		
NER-ER*	13th August 2021 to 16th August 2021	18-22	2860	45	2815	83	3232		
		22-24	2970		2925	83	3342		
		00-02	2970		2925	83	3342		
		02-07	2970		2925	83	3342		
		07-12	2970		2925	83	3342		
		12-18	2970		2925	83	3342		
NER-ER*	17th August 2021	18-22	2360	45	2315	83	2732		
		22-24	2470		2425	83	2842		
		00-02	2970		2925	83	3342		
		02-07	2970		2925	83	3342		
		07-08	2970		2925	83	3342		
		08-12	2470		2425	83	2842		

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NER-ER*	18th August 2021	00-02	2970	45	2925	83	3342		
		02-07	2970		2925	83	3342		
		07-08	2970		2925	83	3342		
		08-12	2470		2425	83	2842		
		12-18	2470		2425	83	2842		
		18-22	2360		2315	83	2732		
		22-24	2470		2425	83	2842		
NER-ER*	19th August 2021 to 31st August 2021	00-02	2970	45	2925	83	3342		
		02-07	2970		2925	83	3342		
		07-12	2970		2925	83	3342		
		12-18	2970		2925	83	3342		
		18-22	2860		2815	83	3232		
		22-24	2970		2925	83	3342		

<b>W3 zone Injection</b>	1st August 2021 to 31st August 2021	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-

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.

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

^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.

ER-NER TTC has been increased by 500MW after reversal of HVDC BNC-APD-Agra to avoid violation in ER-NER corridor due to BNC-Agra power direction from BNC to Agra. 500MW again subtracted along with LTA/MTOA from ATC to keep STOA margining unchanged in ER-NER/NER Import.

NER-ER TTC has been decreased by 500MW after reversal of HVDC BNC-APD-Agra and 500MW again added after subtracting LTA/MTOA from ATC to keep STOA margining unchanged in NER-ER/NER

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 August 2021 to 25th August 2021	00-06	25300	1400	23900	15547	8353		
			24350**		22950**	14597**			
		06-09	25300		23900	15936	7964		
			24350**		22950**	14986**			
		09-17	25300		23900	15936	7964		
17-18	25300	23900	15936	7964					
	24350**	22950**	14986**						
18-24	25300	23900	15547	8353					
			24350**		22950**	14597**			
NR	26th August 2021 to 31st August 2021	00-06	25400	1400	24000	15547	8453		
			24450**		23050**	14597**			
		06-09	25400		24000	15936	8064		
			24450**		23050**	14986**			
		09-17	25400		24000	15936	8064		
17-18	25400	24000	15936	8064					
	24450**	23050**	14986**						
18-24	25400	24000	15547	8453					
			24450**		23050**	14597**			
NER*	1st August 2021	00-02	1150	45	1105	474	631		
		02-08	1150		1105	474	631		
		08-12	560		515	474	41		
		12-18	560		515	474	41		
		18-22	520		475	474	1		
		22-24	560		515	474	41		
NER*	2nd August 2021 to 06th August 2021	00-02	560	45	515	474	41		
		02-07	560		515	474	41		
		07-12	560		515	474	41		
		12-18	560		515	474	41		
		18-22	520		475	474	1		
		22-24	560		515	474	41		
NER*	07th August 2021	00-02	1150	45	1105	474	631		
		02-08	1150		1105	474	631		
		08-12	560		515	474	41		
		12-18	560		515	474	41		
		18-22	520		475	474	1		
		22-24	560		515	474	41		

NER*	08th August 2021 to 12th August 2021	00-02	560	45	515	474	41	
		02-07	560		515	474	41	
		07-12	560		515	474	41	
		12-18	560		515	474	41	
		18-22	520		475	474	1	
		22-24	560		515	474	41	
NER*	13th August 2021 to 16th August 2021	00-02	1150	45	1105	474	631	
		02-07	1150		1105	474	631	
		07-12	1150		1105	474	631	
		12-18	1150		1105	474	631	
		18-22	900		855	474	381	
		22-24	1150		1105	474	631	
NER*	17th August 2021	00-02	1150	45	1105	474	631	
		02-07	1150		1105	474	631	
		07-08	1150		1105	474	631	
		08-12	650		605	474	131	
		12-18	650		605	474	131	
		18-22	560		515	474	41	
		22-24	650		605	474	131	
NER*	18th August 2021	00-02	1150	45	1105	474	631	
		02-07	1150		1105	474	631	
		07-08	1150		1105	474	631	
		08-12	650		605	474	131	
		12-18	650		605	474	131	
		18-22	560		515	474	41	
		22-24	650		605	474	131	
NER*	19th August 2021 to 31st August 2021	00-02	1150	45	1105	474	631	
		02-07	1150		1105	474	631	
		07-12	1150		1105	474	631	
		12-18	1150		1105	474	631	
		18-22	900		855	474	381	
		22-24	1150		1105	474	631	
WR*								
SR**	1st August 2021 to 2nd August 2021	00-06	15100	1000	14100	6270	7830	
		06-18	15100		14100	6355	7745	
		18-24	15100		14100	6270	7830	
SR**	3rd August 2021	00-06	15100	1000	14100	6270	7830	
		06-09	15100		14100	6355	7745	
		09-18	14000		13000	6355	6645	
		18-24	14000		13000	6270	6730	
SR**	4th August 2021	00-06	15100	1000	14100	6270	7830	
		06-09	15100		14100	6355	7745	
		09-18	14150		13150	6355	6795	
		18-24	14150		13150	6270	6880	
SR**	5th August 2021	00-06	15100	1000	14100	6270	7830	
		06-09	15100		14100	6355	7745	
		09-18	14000		13000	6355	6645	
		18-24	14000		13000	6270	6730	
SR**	6th August 2021	00-06	15100	1000	14100	6270	7830	
		06-18	15100		14100	6355	7745	
		18-24	15100		14100	6270	7830	
SR**	7th August 2021	00-06	15100	1000	14100	6270	7830	
		06-09	15100		14100	6355	7745	
		09-18	14750		13750	6355	7395	
		18-24	14750		13750	6270	7480	
SR**	8th August 2021	00-06	15100	1000	14100	6270	7830	
		06-18	15100		14100	6355	7745	
		18-24	15100		14100	6270	7830	
SR**	9th August 2021	00-06	15100	1000	14100	6270	7830	
		06-09	15100		14100	6355	7745	
		09-18	14750		13750	6355	7395	
		18-24	14750		13750	6270	7480	
SR**	10th August 2021 to 12th August 2021	00-06	15100	1000	14100	6270	7830	
		06-18	15100		14100	6355	7745	
		18-24	15100		14100	6270	7830	

SR <sup>#</sup>	13th August 2021	00-06	15100	1000	14100	6270	7830	
		06-08	15100		14100	6355	7745	
		08-18	14550		13550	6355	7195	
		18-24	14550		13550	6270	7280	
SR <sup>#</sup>	14th August 2021 to 15th August 2021	00-06	15100	1000	14100	6270	7830	
		06-18	15100		14100	6355	7745	
		18-24	15100		14100	6270	7830	
SR <sup>#</sup>	16th August 2021	00-06	15100	1000	14100	6270	7830	
		06-09	15100		14100	6355	7745	
		09-18	14750		13750	6355	7395	
		18-24	14750		13750	6270	7480	
SR <sup>#</sup>	17th August 2021	00-06	15100	1000	14100	6270	7830	
		06-18	15100		14100	6355	7745	
		18-24	15100		14100	6270	7830	
SR <sup>#</sup>	18th August 2021	00-06	15100	1000	14100	6270	7830	
		06-09	15100		14100	6355	7745	
		09-18	14750		13750	6355	7395	
		18-24	14750		13750	6270	7480	
SR <sup>#</sup>	19th August 2021 to 20th August 2021	00-06	14750	1000	13750	6270	7480	
		06-18	14750		13750	6355	7395	
		18-24	14750		13750	6270	7480	
SR <sup>#</sup>	21st August 2021	00-06	14750	1000	13750	6270	7480	
		06-07	14750		13750	6355	7395	
		07-18	14150		13150	6355	6795	
		18-24	14150		13150	6270	6880	
SR <sup>#</sup>	22nd August 2021	00-06	14750	1000	13750	6270	7480	
		06-07	14750		13750	6355	7395	
		07-18	14150		13150	6355	6795	
		18-24	14150		13150	6270	6880	
SR <sup>#</sup>	23rd August 2021 to 38th August 2021	00-06	14750	1000	13750	6270	7480	
		06-18	14750		13750	6355	7395	
		18-24	14750		13750	6270	7480	
SR <sup>#</sup>	29th August 2021	00-06	14750	1000	13750	6270	7480	
		06-09	14750		13750	6355	7395	
		09-11	11300		10300	6355	3945	-3450
		11-13	12000		11000	6355	4645	-2750
		13-15	12250		11250	6355	4895	-2500
		15-17	12400		11400	6355	5045	-2350
		17-18	12400		11400	6355	5045	-2350
18-24	12400	11400	6270	5130	-2350			
SR <sup>#</sup>	30th August 2021	00-06	14750	1000	13750	6270	7480	
		06-18	14750		13750	6355	7395	
		18-24	14750		13750	6270	7480	
SR <sup>#</sup>	31st August 2021	00-06	15100	1000	14100	6270	7830	
		06-18	15100		14100	6355	7745	
		18-24	15100		14100	6270	7830	

Revised TTC/ATC due to testing of HVDC Raigarh-Pugalur pole-4

\* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First

\*\*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

\* 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

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 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



**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 August 2021 to 31st August 2021	00-06	4500	700	3800	571	3229		
		06-18				1809	1991		
		18-24				571	3229		
NER*	1st August 2021	00-02	3470	45		3425	83	3342	
		02-08	3470			3425	83	3342	
		08-12	3120			3075	83	2992	
		12-18	3120			3075	83	2992	
		18-22	3000			2955	83	2872	
		22-24	3120			3075	83	2992	
NER*	2nd August 2021 to 06th August 2021	00-02	3120	45		3075	83	2992	
		02-07	3120			3075	83	2992	
		07-12	3120			3075	83	2992	
		12-18	3120			3075	83	2992	
		18-22	3000			2955	83	2872	
		22-24	3120			3075	83	2992	
NER*	07th August 2021	00-02	3470	45		3425	83	3342	
		02-08	3470			3425	83	3342	
		08-12	3120			3075	83	2992	
		12-18	3120			3075	83	2992	
		18-22	3000			2955	83	2872	
		22-24	3120			3075	83	2992	
NER*	08th August 2021 to 12th August 2021	00-02	3120	45		3075	83	2992	
		02-07	3120			3075	83	2992	
		07-12	3120			3075	83	2992	
		12-18	3120			3075	83	2992	
		18-22	3000			2955	83	2872	
		22-24	3120			3075	83	2992	
NER*	13th August 2021 to 16th August 2021	00-02	3470	45		3425	83	3342	
		02-07	3470			3425	83	3342	
		07-12	3470			3425	83	3342	
		12-18	3470			3425	83	3342	
		18-22	3360			3315	83	3232	
		22-24	3470			3425	83	3342	
NER*	17th August 2021	00-02	3470	45		3425	83	3342	
		02-07	3470			3425	83	3342	
		07-08	3470			3425	83	3342	
		08-12	2970			2925	83	2842	
		12-18	2970			2925	83	2842	
		18-22	2860			2815	83	2732	
NER*	18th August 2021	00-02	3470	45		3425	83	3342	
		02-07	3470			3425	83	3342	
		07-08	3470			3425	83	3342	
		08-12	2970			2925	83	2842	
		12-18	2970			2925	83	2842	
		18-22	2860			2815	83	2732	
NER*	18th August 2021	22-24	2970	45		2925	83	2842	

<b>NER*</b>	19th August 2021 to 31st August 2021	00-02	3470	45	3425	83	3342	
		02-07	3470		3425	83	3342	
		07-12	3470		3425	83	3342	
		12-18	3470		3425	83	3342	
		18-22	3360		3315	83	3232	
		22-24	3470		3425	83	3342	
<b>WR*</b>								
<b>SR*^</b>	1st August 2021 to 28th August 2021	00-09	5500	400	5100	1564	3536	
		09-16	4600		4200	1564	2636	
		16-24	5500		5100	1564	3536	
<b>SR*^</b>	29th August 2021	00-09	5500	400	5100	1564	3536	
		09-11	4100		3700	1564	2136	-500
		11-13	3450		3050	1564	1486	-1150
		13-15	3200		2800	1564	1236	-1400
		15-16	3100		2700	1564	1136	-1500
		16-17	4250		3850	1564	2286	-1250
17-24	4250	3850	1564	2286	-1250			
<b>SR*^</b>	30th August 2021 to 31st August 2021	00-09	5500	400	5100	1564	3536	
		09-16	4600		4200	1564	2636	
		16-24	5500		5100	1564	3536	

Revised TTC/ATC due to testing of HVDC Raigarh-Pugalur pole-4

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 1500 MVA, 765/400 kV ICT at Agra will overload the other ICT	Rev- 0 to 1	
	N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev- 2 to 20	
	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	Rev- 21 to 22	
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0 to 22	
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 1	
	Inter-regional flow pattern towards NR	Rev- 2 to 22	
WR-SR and ER-SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	Rev- 0 to 22	
	N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit		
	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 4	
SR-WR	a) N-1 of Pune Kharghar would overload 400 kV Pune-Kalwa. b) Overloading of Kolhapur (PG)-Kolhapur (MS) under outage of other circuit & overloading of 400/220 kV NSPCL ICT under outage of the other ICT.	Rev- 5 to 22	
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 16	
	a) N-1 contingency of 400 kV Balipara-Misa-1 line b) High Loading of 220 kV Salakati - BTPS D/C	Rev- 17 to 22	
NER-ER	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurduar II or I	Rev- 0 to 16	
	a) N-1 contingency of 220 kV Salakati - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I	Rev- 17 to 22	
W3 zone Injection	---	Rev- 0 to 22	
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 1
		Inter-regional flow pattern towards NR	Rev- 2 to 22
		N-1 contingency of 1500 MVA, 765/400 kV ICT at Agra will overload the other ICT	Rev- 0 to 1
	Export	N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev- 2 to 20
		N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	Rev- 21 to 22
		(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 22
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 16
		a) N-1 contingency of 400 kV Balipara-Misa-1 b) High Loading of 220 kV Salakati - BTPS D/C	Rev- 17 to 22
	Export	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurduar II or I	Rev- 0 to 16
		a) N-1 contingency of 220 kV Salakati - BTPS I or II b) High Loading of 220 kV Salakati - BTPS II or I	Rev- 17 to 22
SR	Import	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	Rev- 0 to 22
		N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit	
		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 4
		a) N-1 of Pune Kharghar would overload 400 kV Pune-Kalwa. b) Overloading of Kolhapur (PG)-Kolhapur (MS) under outage of other circuit & overloading of 400/220 kV NSPCL ICT under outage of the other ICT.	Rev- 5 to 22

**National Load Despatch Centre**  
**Total Transfer Capability for August 2021**

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected	
1	28th May 2021	Whole month	1) Revised STOA margin due to increase in LTA allocations by 13 MW (77 MW to 90 MW) from AWEK1L to UPPCL.	WR-NR/NR Import	
			2) Revised STOA margin due to LTA allocations of 13 MW from AWEK1L to Chandigarh.		
2	4th June 2021	Whole month	4) Revised STOA margin due to decrease in LTA allocation by 38 MW (100 MW to 62 MW) from BETAM to UP (NR).	SR-WR/SR Export	
			a) Reversal in HVDC APD-Agra flow		
3	28th June 2021	Whole month	b) Commissioning of 765kV Ajmer-Phagi D/C and 765kV G.Noida-Fatehabad S/C	WR-NR, ER-NR & NR Import	
			a) Revised STOA margin due to decrease in LTA allocations by 5 MW (90 MW to 85 MW) from AWEK1L to UPPCL		
3	28th June 2021	Whole month	b) Revised STOA margin due to increase in LTA allocations by 21 MW (19 MW to 40 MW) from AWEK1L to Chandigarh	WR-NR/NR Import	
			Revised STOA margin due to increase in LTA allocations by 10 MW (65 MW to 75 MW) from AWEK1L-WR to KSEB		
			Revised STOA margin due to increase in LTA allocation by 4 MW (62 MW to 68 MW) from BETAM to UP (NR)	SR-WR	
			Revised STOA margin due to increase in LTA allocation from BETAM to UP (NR) & Odisha each by 4 MW (62 MW to 8MW)	SR Export	
4	17th July 2021	Whole month	Revised Reliability Margin (TRM) considering 2% of the total anticipated peak demand met in MW in NR Import	WR-NR, ER-NR & NR Import	
5	19th July 2021	Whole month	Revised TTC/ATC due to change in LGBR of WR and outage of all units of Kudgi.	SR-WR/SR Export	
6	28th July 2021	Whole month	Revised STOA margin due to -	NR-WR/ NR Export	
			a) Increase in LTA from Rihand to MP by 4.5MW (from 45 MW to 49.5 MW)		
			b) Increase in LTA from Matalia to MP by 40 MW (from 10 MW to 50 MW)		
			c) Decrease in LTA from Rajasthan solar to MP by 5 MW (from 10 MW to 5 MW)		
			d) Increase in LTA from Rajasthan solar to Chattisgarh by 5 MW (from 5 MW to 10 MW)		
			e) ARERJL MTOA of 200 MW to Maharashtra has ended		
			f) NR ISGS allocation to Gujrat increased from 58 MW to 80 MW		
			Revised STOA margin due to -		
			a) Increase in LTA from RWE_APL2_SECI-III(Ghadsisa) to Haryana by 22 MW (from 241 MW to 263 MW)		WR-NR/NR Import
			b) LTA of 228 MW from PGLR_SREPL to UPPCL (SR-WR-NR)		
c) LTA of 6.9 MW from Rajghat, MP to UPPCL					
Revised STOA as unallocated power of 300 MW from NTPC-WR to Karnataka revised to 0 MW	WR-SR/ SR Import				
Revised STOA margin due to LTA of 228 MW from PGLR_SREPL to UPPCL (SR-WR-NR)	SR-WR/SR Export				
7	30th July 2021	1st August 2021 to 31st August 2021	Revised TTC/ATC due to Change in Load-Generation of NER	NER Import/ NER Export	
8	30th July 2021	1st August 2021 to 06th August 2021	Revised TTC/ATC due to continuous shutdown of 220 kV BTPS - Salakati I	NER Import/ NER Export	
9	31st July 2021	02nd August 2021 to 06th August 2021	Revised TTC/ATC due to continuous shutdown of 220 kV BTPS - Salakati I	NER Import/ NER Export	
10	01st August, 2021	3rd August, 2021	TTC/ATC revised due to shutdown of 765/400 kV Nizamabad ICT-1	WR-SR,ER-SR/SR Import	
11	2nd August, 2021	4th August, 2021	TTC/ATC revised due to shutdown of 765/400 kV Maheshwaram ICT-1	WR-SR,ER-SR/SR Import	
12	3rd August, 2021	5th August, 2021	TTC/ATC revised due to shutdown of 765/400 kV Nizamabad ICT-2	WR-SR,ER-SR/SR Import	
13	05th August, 2021	07th August, 2021	TTC/ATC revised due to shutdown of 400 kV Jeypore Gazuwaka 1	ER-SR/SR Import	
			Revised TTC/ATC due to continuous shutdown of 220 kV BTPS - Salakati 2	NER Import/ NER Export	
14	07th August, 2021	9th August, 2021	TTC/ATC revised due to shutdown of 400 kV Jeypore Gazuwaka 2	ER-SR/SR Import	
15	12th August, 2021	13th August, 2021	TTC/ATC Revised due to emergency Shutdown of 765 kV Raichur Sholapur ckt 2	WR-SR/SR Import	
16	14th August, 2021	16th August, 2021	Revised TTC/ATC due to continuous shutdown of 400 kV Rengali-Indrawati-1	WR-SR,ER-SR/SR Import	
17	15th August, 2021	17th & 18th August, 2021	Revised TTC/ATC due to shutdown of 400kV Balipara-Misa ckt-2	NER Import/ NER Export	
18	16th August, 2021	17th August, 2021	Revised TTC/ATC due to deferment of shutdown of 400 kV Rengali-Indrawati-1	WR-SR,ER-SR/SR Import	
19	19th August, 2021	21st August, 2021	TTC/ATC Revised due to shutdown of 765 kV Wardha-Nizamabad ckt 1	WR-SR/SR Import	
20	20th August, 2021	22nd August, 2021	TTC/ATC Revised due to shutdown of 765 kV Wardha-Nizamabad ckt 2	WR-SR/SR Import	
21	24th August, 2021	26th August, 2021	Revised TTC/ATC due to commissioning of 765kV Vindhyachal-Varanasi D/C	WR-NR, ER-NR & NR Import	
22	27th August, 2021	29th August, 2021	Revised TTC/ATC due to testing of HVDC Raigarh-Pugalur pole-4	SR-WR/SR Export & WR-SR/SR Import	

ASSUMPTIONS IN BASECASE					
				Month : August 2021	
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	10744	10867	3971	3971
2	Haryana	9492	9088	2701	2701
3	Rajasthan	10485	9635	8259	8259
4	Delhi	5321	5152	796	795
5	Uttar Pradesh	20631	20099	10623	10689
6	Uttarakhand	2124	1886	928	939
7	Himachal Pradesh	1354	1114	783	769
8	Jammu & Kashmir	2363	1962	884	883
9	Chandigarh	313	249	0	0
10	ISGS/IPPs	48	48	21958	20013
	Total NR	62875	60100	50903	49019
II	EASTERN REGION				
1	Bihar	6537	5617	356	349
2	Jharkhand	1958	1503	511	501
3	Damodar Valley Corporation	2985	2723	5856	4190
4	Orissa	4513	4310	3998	3798
5	West Bengal	9704	8401	7033	6210
6	Sikkim	119	116	0	0
7	Bhutan	181	181	2325	2325
8	ISGS/IPPs	810	810	15771	11533
	Total ER	26808	23662	35850	28906
III	WESTERN REGION				
1	Maharashtra	17405	16509	11624	10789
2	Gujarat	13918	11320	8601	7246
3	Madhya Pradesh	9254	8534	3596	3845
4	Chattisgarh	4309	3965	2531	2835
5	Daman and Diu	276	236	0	0
6	Dadra and Nagar Haveli	744	870	0	0
7	Goa-WR	534	420	0	0
8	ISGS/IPPs	1784	3263	36712	32338
	Total WR	48224	45117	63064	57053

IV	SOUTHERN REGION				
1	Andhra Pradesh	8024	7220	6268	5204
2	Telangana	9100	8117	5196	5078
3	Karnataka	8396	6654	6023	4850
4	Tamil Nadu	15210	13068	7256	6376
5	Kerala	3778	2349	1614	961
6	Pondy	264	264	0	0
7	Goa-SR	82	82	0	0
8	ISGS/IPPs	37	37	14805	14794
	Total SR	44891	37791	41162	37263
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	140	95	118	118
2	Assam	1849	1588	615	574
3	Manipur	207	86	105	103
4	Meghalaya	315	255	302	229
5	Mizoram	150	55	60	60
6	Nagaland	173	155	96	93
7	Tripura	435	260	300	300
8	ISGS/IPPs	0	0	2371	2370
	Total NER	3269	2494	3967	3847
	Total All India	186067	169164	194946	176088