

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

Issue Date: 21st October, 2021

Issue Time: 1800 hrs

Revision No. 23

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 October 2021 to 31st October 2021	00-06	2500	500	2000	378	1622		
		06-18				956	1044		
		18-24				378	1622		
WR-NR*	1st October 2021 to 7th October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-18	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		18-24	19500 18550**	1000	18500 17550**	11362 10412**	7138		
WR-NR*	8th October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-08	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		08-18	18700 17750**	1000	17700 16750**	11751 10801**	5949		
		18-24	18700 17750**	1000	17700 16750**	11362 10412**	6338		
WR-NR*	9th October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-10	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		10-18	18650 17700**	1000	17650 16700**	11751 10801**	5899		
		18-24	18650 17700**	1000	17650 16700**	11362 10412**	6288		
WR-NR*	10th October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-09	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		09-18	18800 17850**	1000	17800 16850**	11751 10801**	6049		
		18-24	18800 17850**	1000	17800 16850**	11362 10412**	6049		
WR-NR*	11th October 2021 to 13th October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-18	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		18-24	19500 18550**	1000	18500 17550**	11362 10412**	7138		
WR-NR*	14th October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-08	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		08-18	18650 17700**	1000	17650 16700**	11751 10801**	5899		
		18-24	18650 17700**	1000	17650 16700**	11362 10412**	6288		
WR-NR*	15th October 2021 to 17th October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-18	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		18-24	19500 18550**	1000	18500 17550**	11362 10412**	7138		
WR-NR*	18th October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-09	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		09-18	18800 17850**	1000	17800 16850**	11751 10801**	6049		
		18-24	18800 17850**	1000	17800 16850**	11362 10412**	6438		

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WR-NR*	19th October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-10	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		10-18	19350 18400**	1000	18350 17400**	11751 10801**	6599		
		18-24	19350 18400**	1000	18350 17400**	11362 10412**	6988		
WR-NR*	20th October 2021 to 21st October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-18	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		18-24	19500 18550**	1000	18500 17550**	11362 10412**	7138		
WR-NR*	22nd October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-09	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		09-18	17950 17000**	1000	16950 16000**	11751 10801**	5199		
		18-24	17950 17000**	1000	16950 16000**	11362 10412**	5588		
WR-NR*	23rd October 2021 to 31st October 2021	00-06	19500 18550**	1000	18500 17550**	11362 10412**	7138		
		06-18	19500 18550**	1000	18500 17550**	11751 10801**	6749		
		18-24	19500 18550**	1000	18500 17550**	11362 10412**	7138		
ER-NR*	1st October 2021 to 31st October 2021	00-06	2000		1800	93	1707		
		06-18	2000	200	1800	1458	342		
		18-24	2000		1800	93	1707		
ER-NR*	1st October 2021 to 7th October 2021	00-24	5900	400	5500	4372	1128		
ER-NR*	8th October 2021	00-08	5900	400	5500	4372	1128		
		08-24	5600	400	5200	4372	828		
ER-NR*	9th October 2021	00-10	5900	400	5500	4372	1128		
		10-24	5600	400	5200	4372	828		
ER-NR*	10th October 2021	00-09	5900	400	5500	4372	1128		
		09-24	5500	400	5100	4372	728		
ER-NR*	11th October 2021 to 13th October 2021	00-24	5900	400	5500	4372	1128		
ER-NR*	14th October 2021	00-08	5900	400	5500	4372	1128		
		08-24	5600	400	5200	4372	828		
ER-NR*	15th October 2021 to 17th October 2021	00-24	5900	400	5500	4372	1128		
ER-NR*	18th October 2021	00-09	5900	400	5500	4372	1128		
		09-24	5600	400	5200	4372	828		
ER-NR*	19th October 2021	00-10	5900	400	5500	4372	1128		
		10-24	5850	400	5450	4372	1078		
ER-NR*	20th October 2021 to 21st October 2021	00-24	5900	400	5500	4372	1128		

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ER-NR*	22nd October 2021	00-09	5900	400	5500	4372	1128		
		09-24	5300	400	4900	4372	528		
ER-NR*	23rd October 2021 to 31st October 2021	00-24	5900	400	5500	4372	1128		
W3-ER	1st October 2021 to 31st October 2021	00-24							No limit is being specified.
ER-W3	1st October 2021 to 31st October 2021	00-24							No limit is being specified.
WR-SR <sup>+</sup>	1st October 2021 to 5th October 2021	00-05	10000	650	9350	3880	5470		
		05-22	10000		9350		5470		
		22-24	10000		9350		5470		
WR-SR <sup>+</sup>	6th October 2021	00-0830	10000	650	9350	3880	5470		
		0830-22	9450		8800		4920		
		22-24	9450		8800		4920		
WR-SR <sup>+</sup>	7th October 2021 to 8th October 2021	00-05	10000	650	9350	3880	5470		
		05-22	10000		9350		5470		
		22-24	10000		9350		5470		
WR-SR <sup>+</sup>	9th October 2021	00-05	9100	650	8450	3880	4570		
		05-22	9100		8450		4570		
		22-24	9100		8450		4570		
WR-SR <sup>+</sup>	10th October 2021	00-05	9100	650	8450	3880	4570		
		05-09	9100		8450		4570		
		09-11	6500		5850		1970		
		11-16	4300		3650		0		
		16-22	9100		8450		4570		
		22-24	9100		8450		4570		
WR-SR <sup>+</sup>	11th October 2021	00-05	9100	650	8450	3880	4570		
		05-22	9100		8450		4570		
		22-24	9100		8450		4570		
WR-SR <sup>+</sup>	12th October 2021	00-05	9100	650	8450	3880	4570		
		05-22	9100		8450		4570		
		22-24	9100		8450		4570		
WR-SR <sup>+</sup>	13th October 2021	00-05	9100	650	8450	3880	4570		
		05-22	9100		8450		4570		
		22-24	9100		8450		4570		
WR-SR <sup>+</sup>	14th October 2021 to 22nd October 2021	00-05	10000	650	9350	3880	5470		
		05-22	10000		9350		5470		
		22-24	10000		9350		5470		
WR-SR <sup>+</sup>	23rd October 2021	00-05	10000	650	9350	3880	5470	-350	Revised TTC/ATC due to extension of shutdown of 765kV Wardha-Aurangabad-3&4 and shutdown of HVDC Raigarh-Pugalur Pole-1
		05-08	10000		9350		5470	-350	
		08-22	8800		8150		4270	-1550	
		22-24	8800		8150		4270	-1550	
WR-SR <sup>+</sup>	24th October 2021	00-05	9150	650	8500	3880	4620	-1200	Revised TTC/ATC due to shutdown of HVDC Raigarh-Pugalur Pole-1
		05-22	9150		8500		4620	-1200	
		22-24	9150		8500		4620	-1200	
WR-SR <sup>+</sup>	25th October 2021	00-05	9150	650	8500	3880	4620	-1200	
		05-22	9150		8500		4620	-1200	
		22-24	9150		8500		4620	-1200	
WR-SR <sup>+</sup>	26th October 2021 to 31st October 2021	00-05	10350	650	9700	3880	5820		
		05-22	10350		9700		5820		
		22-24	10350		9700		5820		
SR-WR*	1st October 2021 to 14th October 2021	00-09	6000	400	5600	884	4716		
		09-16	5100	400	4700	884	3816		
		16-24	6000	400	5600	884	4716		
SR-WR*	15th October 2021 to 22nd October 2021	00-09	6600	400	6200	884	5316		
		09-16	6600	400	6200	884	5316		
		16-24	6600	400	6200	884	5316		
SR-WR*	23rd October 2021	00-08	6600	400	6200	884	5316		
		08-09	5150	400	4750	884	3866	-1450	Revised TTC/ATC due to shutdown of HVDC Raigarh-Pugalur Pole-1
		09-16	5150	400	4750	884	3866	-1450	
		16-24	5150	400	4750	884	3866	-1450	
SR-WR*	24th October 2021	00-09	5150	400	4750	884	3866	-1450	
		09-16	5150	400	4750	884	3866	-1450	
		16-24	5150	400	4750	884	3866	-1450	
SR-WR*	25th October 2021	00-09	5150	400	4750	884	3866	-1450	
		09-16	5150	400	4750	884	3866	-1450	
		16-24	5150	400	4750	884	3866	-1450	
SR-WR*	15th October 2021 to 31st October 2021	00-09	6600	400	6200	884	5316		
		09-16	6600	400	6200	884	5316		
		16-24	6600	400	6200	884	5316		
ER-SR <sup>+</sup>	1st October 2021 to 8th October 2021	00-06	5750	350	5400		2672	2728	
		06-18					2757	2643	
		18-24					2672	2728	
ER-SR <sup>+</sup>	9th October 2021	00-06	5600	350	5250		2672	2578	
		06-18					2757	2493	
		18-24					2672	2578	
ER-SR <sup>+</sup>	10th October 2021	00-06	5600	350	5250		2672	2578	
		06-18					2757	2493	
		18-24					2672	2578	
ER-SR <sup>+</sup>	11th October 2021	00-06	5600	350	5250		2672	2578	
		06-18					2757	2493	
		18-24					2672	2578	

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ER-SR <sup>+</sup>	12th October 2021	00-06	5600	350	5250	2672	2578		
		06-18				2757	2493		
		18-24				2672	2578		
ER-SR <sup>+</sup>	13th October 2021	00-06	5600	350	5250	2672	2578		
		06-18				2757	2493		
		18-24				2672	2578		
ER-SR <sup>+</sup>	14th October 2021 to 22nd October 2021	00-06	5750	350	5400	2672	2728		
		06-18				2757	2643		
		18-24				2672	2728		
ER-SR <sup>+</sup>	23rd October 2021	00-06	5750	350	5400	2672	2728	-50	Revised TTC/ATC due to extension of shutdown 765kV Wardha-Aurangabad-3&4
		06-18				2757	2643		
		18-24				2672	2728		
ER-SR <sup>+</sup>	24th October 2021 to 31st October 2021	00-06	5800	350	5450	2672	2778		
		06-18				2757	2693		
		18-24				2672	2778		
SR-ER *	1st October 2021 to 31st October 2021	00-24	No limit is being Specified.						
ER-NER*	1st October 2021 to 31st October 2021	00-02	1680	45		1635	455	1180	
		02-07	1680			1635	455	1180	
		07-12	1680			1635	455	1180	
		12-18	1680			1635	455	1180	
		18-22	1400			1355	455	900	
		22-24	1680			1635	455	1180	
		00-02	2950			2905	81	2824	
NER-ER*	1st October 2021 to 31st October 2021	02-07	2950	45		2905	81	2824	
		07-12	2950			2905	81	2824	
		12-18	2950			2905	81	2824	
		18-22	2850			2805	81	2724	
		22-24	2950			2905	81	2824	
		00-02	2950			2905	81	2824	
		02-07	2950			2905	81	2824	
W3 zone Injection	1st October 2021 to 31st October 2021	00-24	No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)						
<p><b>Note: TTC/ATC of S1-(S2&amp;S3) corridor, Import of S3(Kerala), Import of Punjab and Import of DD &amp; DNH is uploaded on NLDC website under Intra-Regional Section in Monthly ATC.</b></p>									
<p>* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral &amp; First Come First Serve).</p>									
<p>**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.</p>									
<p>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 &amp; 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) Vandam 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 02 units (2x800 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 Paricha TPS as 350 MW. TTC figures are subject to change with significant change in generation at Paricha TPS.</p>									

**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 October 2021 to 7th October 2021	00-06	25400	1400	24000	15734	8266						
			24450**		23050**	14784**							
		06-09	25400		24000	16123	7877						
			24450**		23050**	15173**							
		09-17	25400		24000	16123	7877						
			24450**		23050**	15173**							
		17-18	25400		24000	16123	7877						
			24450**		23050**	15173**							
		18-24	25400		24000	15734	8266						
			24450**		23050**	14784**							
NR	8th October 2021	00-06	25400	1400	24000	15734	8266						
			24450**		23050**	14784**							
		06-08	25400		24000	16123	7877						
			24450**		23050**	15173**							
		08-09	24300		22900	16123	6777						
			23350**		21950**	15173**							
		09-17	24300		22900	16123	6777						
			23350**		21950**	15173**							
		17-18	24300		22900	16123	6777						
			23350**		21950**	15173**							
18-24	24300	22900	15734	7166									
	23350**	21950**	14784**										
NR	9th October 2021	00-06	25400	1400		24000	15734	8266					
			24450**			23050**	14784**						
		06-09	25400			24000	16123	7877					
			24450**			23050**	15173**						
		09-10	25400			24000	16123	7877					
			24450**			23050**	15173**						
		10-17	24250			22850	16123	6727					
			23300**			21900**	15173**						
		17-18	24250		22850	16123	6727						
			23300**		21900**	15173**							
18-24	24250	22850	15734	7116									
	23300**	21900**	14784**										

NR	10th October 2021	00-06	25400 24450**	1400	24000 23050**	15734 14784**	8266	
		06-09	25400 24450**		24000 23050**	16123 15173**	7877	
		09-10	24300 23350**		22900 21950**	16123 15173**	6777	
		10-17	24300 23350**		22900 21950**	16123 15173**	5627	
		17-18	24300 23350**		22900 21950**	16123 15173**	5627	
		18-24	24300 23350**		22900 21950**	15734 14784**	6016	
NR	11th October 2021 to 13th October 2021	00-06	25400 24450**	1400	24000 23050**	15734 14784**	8266	
		06-09	25400 24450**		24000 23050**	16123 15173**	7877	
		09-17	25400 24450**		24000 23050**	16123 15173**	7877	
		17-18	25400 24450**		24000 23050**	16123 15173**	7877	
		18-24	25400 24450**		24000 23050**	15734 14784**	8266	
NR	14th October 2021	00-06	25400 24450**	1400	24000 23050**	15734 14784**	8266	
		06-08	25400 24450**		24000 23050**	16123 15173**	7877	
		08-09	24250 23300**		22850 21900**	16123 15173**	6727	
		09-17	24250 23300**		22850 21900**	16123 15173**	6727	
		17-18	24250 23300**		22850 21900**	16123 15173**	6727	
		18-24	24250 23300**		22850 21900**	15734 14784**	7116	
NR	15th October 2021 to 17th October 2021	00-06	25400 24450**	1400	24000 23050**	15734 14784**	8266	
		06-09	25400 24450**		24000 23050**	16123 15173**	7877	
		09-17	25400 24450**		24000 23050**	16123 15173**	7877	
		17-18	25400 24450**		24000 23050**	16123 15173**	7877	
		18-24	25400 24450**		24000 23050**	15734 14784**	8266	

NR	18th October 2021	00-06	25400 24450**	1400	24000 23050**	15734 14784**	8266	
		06-09	25400 24450**		24000 23050**	16123 15173**	7877	
			24400 23450**		23000 22050**	16123 15173**	6877	
		17-18	24400 23450**		23000 22050**	16123 15173**	6877	
			24400 23450**		23000 22050**	15734 14784**	7266	
		18-24	24400 23450**		22050**	14784**		
NR	19th October 2021	00-06	25400 24450**	1400	24000 23050**	15734 14784**	8266	
		06-09	25400 24450**		24000 23050**	16123 15173**	7877	
			25400 24450**		24000 23050**	16123 15173**	7877	
		10-17	25200 24250**		23800 22850**	16123 15173**	7677	
			25200 24250**		23800 22850**	16123 15173**	7677	
		18-24	25200 24250**		23800 22850**	15734 14784**	8066	
NR	20th October 2021 to 21st October 2021	00-06	25400 24450**	1400	24000 23050**	15734 14784**	8266	
		06-09	25400 24450**		24000 23050**	16123 15173**	7877	
			25400 24450**		24000 23050**	16123 15173**	7877	
		17-18	25400 24450**		24000 23050**	16123 15173**	7877	
			25400 24450**		24000 23050**	15734 14784**	8266	
		18-24	25400 24450**		23050**	14784**		
NR	22nd October 2021	00-06	25400 24450**	1400	24000 23050**	15734 14784**	8266	
		06-09	25400 24450**		24000 23050**	16123 15173**	7877	
			23250 22300**		21850 20900**	16123 15173**	5727	
		17-18	23250 22300**		21850 20900**	16123 15173**	5727	
			23250 22300**		21850 20900**	15734 14784**	6116	
		18-24	23250 22300**		20900**	14784**		
NR	23rd October 2021 to 31st October 2021	00-06	25400 24450**	1400	24000 23050**	15734 14784**	8266	
		06-09	25400 24450**		24000 23050**	16123 15173**	7877	
			25400 24450**		24000 23050**	16123 15173**	7877	
		17-18	25400 24450**		24000 23050**	16123 15173**	7877	
			25400 24450**		24000 23050**	15734 14784**	8266	
		18-24	25400 24450**		23050**	14784**		

NER*	1st October 2021 to 31st October 2021	00-02	1180	45	1135	455	680		
		02-07	1180		1135	455	680		
		07-12	1180		1135	455	680		
		12-18	1180		1135	455	680		
		18-22	900		855	455	400		
		22-24	1180		1135	455	680		
WR*									
SR#	1st October 2021 to 5th October 2021	00-06	15750	1000	14750	6553	8197		
		06-18	15750		14750	6638	8112		
		18-24	15750		14750	6553	8197		
SR#	6th October 2021	00-06	15750	1000	14750	6553	8197		
		06-0830	15750		14750	6638	8112		
		0830-18	15200		14200	6638	7562		
		18-24	15200		14200	6553	7647		
SR#	7th October 2021 to 8th October 2021	00-06	15750	1000	14750	6553	8197		
		06-18	15750		14750	6638	8112		
		18-24	15750		14750	6553	8197		
SR#	9th October 2021	00-06	14700	1000	13700	6553	7147		
		06-18	14700		13700	6638	7062		
		18-24	14700		13700	6553	7147		
SR#	10th October 2021	00-06	14700	1000	13700	6553	7147		
		06-09	14700		13700	6638	7062		
		09-11	12100		11100	6638	4462		
		11-16	9900		8900	6638	2262		
		16-18	14700		13700	6638	7062		
		18-24	14700		13700	6553	7147		
SR#	11th October 2021	00-06	14700	1000	13700	6553	7147		
		06-18	14700		13700	6638	7062		
		18-24	14700		13700	6553	7147		
SR#	12th October 2021	00-06	14700	1000	13700	6553	7147		
		06-18	14700		13700	6638	7062		
		18-24	14700		13700	6553	7147		

SR#	13th October 2021	00-06	14700	1000	13700	6553	7147		
		06-18	14700		13700	6638	7062		
		18-24	14700		13700	6553	7147		
SR#	14th October 2021 to 22nd October 2021	00-06	15750	1000	14750	6553	8197		
		06-18	15750		14750	6638	8112		
		18-24	15750		14750	6553	8197		
SR#	23rd October 2021	00-06	15750	1000	14750	6553	8197	-400	Revised TTC/ATC due to extension of shutdown of 765kV Wardha-Aurangabad-3&4 and shutdown of HVDC Raigarh-Pugalur Pole-1
		06-08	15750		14750	6638	8112	-400	
		08-18	14550		13550	6638	6912	-1600	
		18-24	14550		13550	6553	6997	-1600	
SR#	24th October 2021	00-06	14950	1000	13950	6553	7397	-1200	Revised TTC/ATC due to shutdown of HVDC Raigarh-Pugalur Pole-1
		06-18	14950		13950	6638	7312	-1200	
		18-24	14950		13950	6553	7397	-1200	
SR#	25th October 2021	00-06	14950	1000	13950	6553	7397	-1200	
		06-18	14950		13950	6638	7312	-1200	
		18-24	14950		13950	6553	7397	-1200	
SR#	26th October 2021 to 31st October 2021	00-06	16150	1000	15150	6553	8597		
		06-18	16150		15150	6638	8512		
		18-24	16150		15150	6553	8597		

\* 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 - Vindhyaal 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 October 2021 to 31st October 2021	00-06	4500	700	3800	471	3329		
		06-18				2414	1386		
		18-24				471	3329		
NER*	1st October 2021 to 31st October 2021	00-02	3450	45	3405	81	3324		
		02-07	3450		3405	81	3324		
		07-12	3450		3405	81	3324		
		12-18	3450		3405	81	3324		
		18-22	3350		3305	81	3224		
		22-24	3450		3405	81	3324		
WR*									
SR^A	1st October 2021 to 14th October 2021	00-09	5500	400	5100	1676	3424		
		09-16	4600	400	4200	1676	2524		
		16-24	5500	400	5100	1676	3424		
SR^A	15th October 2021 to 22nd October 2021	00-09	5600	400	5200	1676	3524		
		09-16	5600	400	5200	1676	3524		
		16-24	5600	400	5200	1676	3524		
SR^A	23rd October 2021	00-08	5600	400	5200	1676	3524		Revised TTC/ATC due to shutdown of HVDC Raigarh-Pugalur Pole-1
		08-16	4150	400	3750	1676	2074	-1450	
		09-16	4150	400	3750	1676	2074	-1450	
		16-24	4150	400	3750	1676	2074	-1450	
SR^A	24th October 2021	00-09	4150	400	3750	1676	2074	-1450	
		09-16	4150	400	3750	1676	2074	-1450	
		16-24	4150	400	3750	1676	2074	-1450	
SR^A	25th October 2021	00-09	4150	400	3750	1676	2074	-1450	
		09-16	4150	400	3750	1676	2074	-1450	
		16-24	4150	400	3750	1676	2074	-1450	
SR^A	26th October 2021 to 31st October 2021	00-09	5600	400	5200	1676	3524		
		09-16	5600	400	5200	1676	3524		
		16-24	5600	400	5200	1676	3524		

\* 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 02 units (2x800 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
	N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev- 1 to 2
	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	Rev- 3 to 23
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0 to 23
ER-NR	Inter-regional flow pattern towards NR	Rev- 0 to 23
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 4
	N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit	
	Low Voltage at Gazuwaka (East) Bus.	Rev- 5 to 23
	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	
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
	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 400 kV Pune - Kalwa line will overload 400 kV Pune - Khargar line	Rev- 19 to 23
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 23
	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 23
W3 zone Injection	---	Rev- 0 to 23

Limiting Constraints (Simultaneous)		Applicable Revisions	
NR	Import	Inter-regional flow pattern towards NR	Rev- 0 to 23
		N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev- 0 to 2
		N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	Rev- 3 to 23
NER	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.	Rev- 0 to 23
		(n-1) contingency of 400 kV Saranath-Pusauli	
NER	Import	a) N-1 contingency of 400 kV Bongaigaon - Killing line (0000 hrs to 2400 hrs) b) High Loading of 220 kV Balipara-Sonabil (0000 hrs to 0700 hrs) c) High Loading of 220 kV Salakati - BTPS D/C (0700 hrs to 1200 hrs)	Rev- 0 to 23
	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 23
SR	Import	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	Rev- 0 to 4
		N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit	
		Low Voltage at Gazuwaka (East) Bus	Rev- 5 to 23
	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT		
	Export	Low Voltage at Gazuwaka (East) Bus	Rev- 0 to 18
		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- 19 to 23	
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 400 kV Pune - Kalwa line will overload 400 kV Pune - Khargar line	

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

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
1	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
2	28th July 2021	Whole month	Revised STOA margin due to - 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) ARERIL MTOA of 200 MW to Maharashtra has ended f) NR ISGS allocation to Gujrat increased from 58 MW to 80 MW	NR-WR/ NR Export
			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) b) LTA of 228 MW from PGLR_SREPL to UPPCL (SR-WR-NR) c) LTA of 6.9 MW from Rajghat, MP to UPPCL	WR-NR/NR Import
			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
3	24th August, 2021	Whole Month	Revised TTC/ATC due to commissioning of 765kV Vindhyachal-Varanasi D/C	WR-NR, ER-NR & NR Import
4	28th August, 2021	Whole Month	Revised STOA margin due to increase in LTA from PGLR_SREPL to UP by 12 MW (from 228MW to 240 MW)	SR-WR/SR Export; WR-NR/NR Import
			Revised STOA margin due to operationalisation of LTA of 73 MW from Tuticorin-BETAMWIND to UPPCL (SR-ER-NR)	ER-NR/NR Import
			Revised STOA margin due to change in LTA allocations	NR-ER
5	25th September 2021	Whole Month	TTC/ATC revised due to commissioning of HVDC Raigarh-Pugalur Pole-3	WR-SR/ER-SR/SR Import
6	28th September 2021	Whole Month	Revised STOA margin due to a) operationalization of new LTA OF 73 MW from Tuticorin-BETAMWIND to UPPCL b) operationalization of new LTA OF 10 MW from Tuticorin-IWISL to Haryana	WR-NR/NR Import
			Revised STOA margin due to a) Discontinuation of 250 MW MTOA from ACSEPL to Madhya Pradesh b) Operationalization of new LTA of 250 MW from RSWPL3_FTG2 to BSPHCL c) Operationalization of new LTA of 300 MW from AP43PL_BKN to Odisha	ER-NR/WR-NR/NR Export
			Revised STOA margin due to a) operationalization of new LTA of 106 MW from Fatehgarh-II Solar to Telangana b) operationalization of new LTA of 176 MW from Bhadla-II Solar to Telangana	WR-SR/SR Import
			Revised STOA margin due to a) Increase LTA by 6 MW from BETAM to UP (NR) b) Increase LTA by 15 MW from Spring Energy, Pugalur to UP (NR) c) Operationalization of 63 MW LTA from HIRIYUR_OSTROKANNADA to Bihar, ER	SR-WR/SR Export
			Revised STOA margin due to discontinuation of 50 MW MTOA Arunachal Pradesh to NPCL(UP)	NER-ER/NER Export
7	29th September 2021	Whole Month	1) Change in Load-Generation of NER 2) Two units of Kameng HEP (4x150 MW) are under force outage	ER-NER/NER Import/NER-ER/NER Export
		1st to 10th October 2021	ATC/TTC Curtailed due to shutdown of 765 kV Wardha - Aurangabad - 3 & 4	ER-SR/WR-SR/SR Import
8	5th October 2021	6th October 2021	Due to emergency shutdown of 765 kV Raichur Sholapur - 2	WR-SR/SR Import
9	6th October 2021	8th October 2021	TTC/ATC Revised due to Shutdown of 765 kV Orai - Aligarh - 1	WR-NR, ER-NR & NR Import
10	7th October 2021	9th October 2021	TTC/ATC Revised due to Shutdown of 765 kV Agra - Gwalior - 2	WR-NR, ER-NR & NR Import
11	8th October 2021	9th October 2021	TTC/ATC Revised due to forced outage of HVDC Bhadravati Pole 1	ER-SR/WR-SR/SR Import
12	8th October 2021	10th October 2021	TTC/ATC Curtailed to Facilitate Testing of HVDC Raigarh - Pugalur	WR-SR/SR Import
13	9th October 2021	10th October 2021	TTC/ATC Revised due to forced outage of HVDC Bhadravati Pole 1	ER-SR/WR-SR/SR Import
14	9th October 2021	11th October 2021	TTC/ATC Revised due to shutdown of 765 kV Vindhyachal - Jabalpur 2	WR-NR, ER-NR & NR Import
15	9th October 2021	11th October 2021	Due to extension of shutdown of 765KV-Wardha-Aurangabad-3 & 4 & Forced outage of HVDC Bhadravati Pole - 1	ER-SR/WR-SR/SR Import
16	10th October 2021	12th October 2021	Due to extension of shutdown of 765KV-Wardha-Aurangabad-3 & 4 & Forced outage of HVDC Bhadravati Pole - 2	ER-SR/WR-SR/SR Import
17	11th October 2021	13th October 2021	Due to extension of shutdown of 765KV-Wardha-Aurangabad-3 & 4 & Forced outage of HVDC Bhadravati Pole - 2	ER-SR/WR-SR/SR Import
17	12th October 2021	14th October 2021	TTC/ATC Revised due to Shutdown of 765 kV Agra - Gwalior - 1	WR-NR, ER-NR & NR Import
		14th to 22nd October 2021	TTC/ATC Revised due to extension of shutdown of 765KV-Wardha-Aurangabad-3 & 4 & Forced outage of HVDC Bhadravati Pole - 2	ER-SR/WR-SR/SR Import
18	13th October 2021	14th to 22nd October 2021	TTC/ATC Revised due revival HVDC Bhadravati Pole - 2	ER-SR/WR-SR/SR Import
19	14th October 2021	15th to 31st October 2021	TTC/ATC Revised due to: a) Change in Load - Generation Balance b) Change in HVDC Set Points	SR-WR/SR Export
20	16th October 2021	18th October 2021	Revised TTC/ATC due to shutdown of 765kV Satna-Vindhyachal ckt-2	WR-NR/ER-NR/NR Import
21	17th October 2021	19th October 2021	Revised TTC/ATC due to shutdown of 765/400kV ICT-1 at Agra	WR-NR/ER-NR/NR Import
22	20th October 2021	22nd October 2021	Revised TTC/ATC due to shutdown of 765kV Satna-Gwalior line	WR-NR/ER-NR/NR Import
22	21st October 2021	23rd October 2021	Revised TTC/ATC due to extension of shutdown of 765kV Wardha-Aurangabad-3&4 and shutdown of HVDC Raigarh-Pugalur Pole-1	WR-SR/ER-SR/SR Import SR-WR/SR Export
		24th to 25th October 2021	Revised TTC/ATC due to shutdown of HVDC Raigarh-Pugalur Pole-1	SR-WR/SR Export

ASSUMPTIONS IN BASECASE					
				Month : October 2021	
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	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
	<b>Total NR</b>	<b>62875</b>	<b>60100</b>	<b>50903</b>	<b>49019</b>
II	<b>EASTERN REGION</b>				
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
	<b>Total ER</b>	<b>26808</b>	<b>23662</b>	<b>35850</b>	<b>28906</b>
III	<b>WESTERN REGION</b>				
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
	<b>Total WR</b>	<b>48224</b>	<b>45117</b>	<b>63064</b>	<b>57053</b>
IV	<b>SOUTHERN REGION</b>				
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
	<b>Total SR</b>	<b>44891</b>	<b>37791</b>	<b>41162</b>	<b>37263</b>
V	<b>NORTH-EASTERN REGION</b>				
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
	<b>Total NER</b>	<b>3269</b>	<b>2494</b>	<b>3967</b>	<b>3847</b>
	<b>Total All India</b>	<b>186067</b>	<b>169164</b>	<b>194946</b>	<b>176088</b>