

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

Issue Date: 15th July 2020

Issue Time: 1800 hrs

Revision No. 19

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 July 2020 to 31st July 2020	00-06	2500	500	2000	195	1805		
		06-18				1223	777		
		18-24				195	1805		
WR-NR*	1st July 2020	00-06	17200	500	16700	10268	6432		
			16250**		15750**	9318**			
		06-08	17200	500	16700	10657	6043		
			16250**		15750**	9707**			
		08-18	15950	500	15450	10657	4793		
			15000**		14500**	9707**			
18-24	15950	500	15450	10268	5182				
	15000**		14500**	9318**					
WR-NR*	2nd July 2020	00-06	17200	500	16700	10268	6432		
			16250**		15750**	9318**			
		06-18	17200	500	16700	10657	6043		
			16250**		15750**	9707**			
		18-24	17200	500	16700	10268	6432		
			16250**		15750**	9318**			
WR-NR*	3rd July 2020	00-06	17200	500	16700	10268	6432		
			16250**		15750**	9318**			
		06-08	17200	500	16700	10657	6043		
			16250**		15750**	9707**			
		08-18	14900	500	14400	10657	3743		
			13950**		13450**	9707**			
18-24	14900	500	14400	10268	4132				
	13950**		13450**	9318**					
WR-NR*	4th July 2020	00-06	17200	500	16700	10268	6432		
			16250**		15750**	9318**			
		06-08	17200	500	16700	10657	6043		
			16250**		15750**	9707**			
		08-18	15000	500	14500	10657	3843		
			14050**		13550**	9707**			
18-24	15000	500	14500	10268	4232				
	14050**		13550**	9318**					

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WR-NR*	5th July 2020	00-06	17200	500	16700	10268	6432		
			16250**		15750**	9318**			
		06-08	17200	500	16700	10657	6043		
			16250**		15750**	9707**			
08-18	16300	500	15800	10657	5143				
	15350**		14850**	9707**					
18-24	16300	500	15800	10268	5532				
	15350**		14850**	9318**					
WR-NR*	6th July 2020 to 08th July 2020	00-06	17200	500	16700	10268	6432		
			16250**		15750**	9318**			
		06-18	17200	500	16700	10657	6043		
18-24	17200	500	16700	10268	6432				
	16250**		15750**	9318**					
WR-NR*	9th July 2020	00-06	17200	500	16700	10268	6432		
			16250**		15750**	9318**			
		06-08	17200	500	16700	10657	6043		
			16250**		15750**	9707**			
08-18	17100	500	16600	10657	5943				
	16150**		15650**	9707**					
18-24	17100	500	16600	10268	6332				
	16150**		15650**	9318**					
WR-NR*	10th July 2020 to 12th July 2020	00-06	17200	500	16700	10268	6432		
			16250**		15750**	9318**			
		06-18	17200	500	16700	10657	6043		
18-24	17200	500	16700	10268	6432				
	16250**		15750**	9318**					
WR-NR*	13th July 2020	00-06	17200	500	16700	10268	6432		
			16250**		15750**	9318**			
		06-08	17200	500	16700	10657	6043		
			16250**		15750**	9707**			
08-18	17100	500	16600	10657	5943				
	16150**		15650**	9707**					
18-24	17100	500	16600	10268	6332				
	16150**		15650**	9318**					

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WR-NR*	14th July 2020 to 16th July 2020	00-06	17200 16250**	500	16700 15750**	10268 9318**	6432		
		06-18	17200 16250**	500	16700 15750**	10657 9707**	6043		
		18-24	17200 16250**	500	16700 15750**	10268 9318**	6432		
WR-NR*	17th July 2020 to 31st July 2020	00-06	17100 16150**	500	16600 15650**	10268 9318**	6332	-100	Revised TTC due to change in HVDC APD-AGRA power flow and change in LGBR
		06-18	17100 16150**	500	16600 15650**	10657 9707**	5943	-100	
		18-24	17100 16150**	500	16600 15650**	10268 9318**	6332	-100	
NR-ER*	1st July 2020 to 31st July 2020	00-06	2000	200	1800	193	1607		
		06-18	2000		1800	303	1497		
		18-24	2000		1800	193	1607		
ER-NR*	1st July 2020	00-08	5250	300	4950	4066	884		
		08-24	4800	300	4500	4066	434		
ER-NR*	2nd July 2020	00-24	5250	300	4950	4066	884		
ER-NR*	3rd July 2020	00-08	5250	300	4950	4066	884		
		08-24	4250	300	3950	4066	0		
ER-NR*	4th July 2020	00-08	5250	300	4950	4066	884		
		08-24	4250	300	3950	4066	0		
ER-NR*	5th July 2020	00-08	5250	300	4950	4066	884		
		08-24	4700	300	4400	4066	334		
ER-NR*	6th July 2020 to 9th July 2020	00-08	5250	300	4950	4066	884		
		08-24	5050	300	4750	4066	684		
ER-NR*	10th July 2020 to 14th July 2020	00-08	5250	300	4950	4066	884		
		08-24	5050	300	4750	4066	684		
ER-NR*	15th July 2020 to 16th July 2020	00-08	5250	300	4950	4066	884		
		08-24	5050	300	4750	4066	684		
ER-NR*	17th July 2020	00-08	6250	300	5950	4066	1884	1000	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line, change in HVDC APD-AGRA flow and change in LGBR
		08-24	6050	300	5750	4066	1684	800	
ER-NR*	18th July 2020 to 31st July 2020	00-24	6250	300	5950	4066	1884	1000	Revision in TTC/ATC due to change in HVDC APD-AGRA power flow and change in LGBR
W3-ER	1st July 2020 to 31st July 2020	00-24	No limit is being specified.						
ER-W3	1st July 2020 to 31st July 2020	00-24	No limit is being specified.						

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<b>WR-SR<sup>^</sup></b>	1st July 2020	00-0930	6950	500	6450	4035	2415		
		0930-22	6350		5850		1815		
		22-24	6350		5850		1815		
	2nd July 2020	00-05	6950	500	6450	4035	2415		
		05-09	6950		6450		2415		
		09-22	6350		5850		1815		
		22-24	6350		5850		1815		
	3rd July 2020 to 6th July 2020	00-05	6950	500	6450	4035	2415		
		05-22	6950		6450		2415		
		22-24	6950		6450		2415		
	7th July 2020	00-05	6950	500	6450	4035	2415		
		05-07	6950		6450		2415		
		07-22	6300		5800		1765		
		22-24	6300		5800		1765		
	8th July 2020	00-05	6950	500	6450	4035	2415		
		05-07	6950		6450		2415		
		07-22	6300		5800		1765		
		22-24	6300		5800		1765		
	9th July 2020	00-05	6950	500	6450	4035	2415		
		05-07	6950		6450		2415		
		07-22	6000		5500		1465		
		22-24	6000		5500		1465		
	10th July 2020 to 15th July 2020	00-05	6950	500	6450	4035	2415		
		05-22	6950		6450		2415		
22-24		6950	6450		2415				
16th July 2020	00-05	6950	500	6450	4035	2415			
	05-0730	6950		6450		2415			
	0730-22	6000		5500		1465			
	22-24	6000		5500		1465			
17th July 2020 to 31st July 2020	00-05	6950	500	6450	4035	2415			
	05-22	6950		6450		2415			
	22-24	6950		6450		2415			
<b>SR-WR *</b>	1st July 2020 to 31st July 2020	00-24	4600	400	4200	550	3650		

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ER-SR ^	1st July 2020	00-06	5650	250	5400	2663	2737				
		06-0930	5650			2748	2652				
		0930-18	5600			2748	2652				
		18-24	5600			2663	2737				
	2nd July 2020	00-06	5650	250	5400	2663	2737				
		06-09	5650		5400	2748	2652				
		09-18	5600		5350	2748	2602				
		18-24	5600		5350	2663	2687				
	3rd July 2020 to 6th July 2020	00-06	5950	250	5700	2663	3037				
		06-18				2748	2952				
		18-24				2663	3037				
	7th July 2020	00-06	5950	250	5700	2663	3037				
		06-07	5950	250	5700	2748	2952				
		18-24	5800	250	5550	2663	2887				
	8th July 2020	00-06	5950	250	5700	2663	3037				
		06-07	5950	250	5700	2748	2952				
		07-18	5800	250	5550	2748	2802				
		18-24	5800	250	5550	2663	2887				
	9th July 2020	00-06	5950	250	5700	2663	3037				
		06-07	5950	250	5700	2748	2952				
		07-18	5900	250	5650	2748	2902				
		18-24	5900	250	5650	2663	2987				
	10th July 2020 to 31st July 2020	00-06	5950	250	5700	2663	3037				
		06-18	5950		5700	2748	2952				
		18-24	5950		5700	2663	3037				
	SR-ER *	1st July 2020 to 31st July 2020	00-24	No limit is being Specified.							
	ER-NER*	1st July 2020	00-02	1080	45		1035	289		746	
			02-07	1080			1035	289		746	
07-12			1080	1035			334	701			
12-17			1080	1035			334	701			
17-18			1080	1035			334	701			
18-22			950	905			289	616			
22-23			1080	1035			289	746			
23-24			1080	1035			289	746			
ER-NER*	2nd July 2020	00-07	1080	45		1035	289	746			
		07-08	1080			1035	334	701			
		08-18	780			735	334	401			
		18-22	700			655	289	366			
		22-24	780			735	289	446			
ER-NER*	3rd July 2020	00-07	1080	45		1035	289	746			
		07-08	1080			1035	334	701			
		08-18	780			735	334	401			
		18-22	700			655	289	366			
ER-NER*	4th July 2020 to 6th July 2020	00-07	1080	45		1035	289	746			
		07-18	1080			1035	334	701			
		18-22	950			905	289	616			
		22-24	1080			1035	289	746			
ER-NER*	7th July 2020 to 31st July 2020	00-07	950	45		905	289	616			
		07-18	950			905	334	571			
		18-22	870			825	289	536			
		22-24	950			905	289	616			

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NER-ER*	1st July 2020	00-08	2150	45	2105	21	2084		
		08-18	2150		2105	21	2084		
		18-22	2300		2255	21	2234		
		22-24	2150		2105	21	2084		
	2nd July 2020	00-08	2150	45	2105	21	2084		
		08-18	1700		1655	21	1634		
		18-22	1850		1805	21	1784		
		22-24	1700		1655	21	1634		
	3rd July 2020	00-08	2150	45	2105	21	2084		
		08-18	1700		1655	21	1634		
		18-22	1850		1805	21	1784		
		22-24	1700		1655	21	1634		
	4th July 2020 to 6th July 2020	00-08	2150	45	2105	21	2084		
		08-18	2150		2105	21	2084		
		18-22	2300		2255	21	2234		
		22-24	2150		2105	21	2084		
	7th July 2020 to 31st July 2020	00-08	2300	45	2255	21	2234		
		08-18	2300		2255	21	2234		
		18-22	2450		2405	21	2384		
		22-24	2300		2255	21	2234		

<b>W3 zone Injection</b>	1st July 2020 to 31st July 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**  
\* Fifty Percent (50 %) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered for advanced transactions (Bilateral & First Come First Serve).

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

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

2) W3 comprises of the following regional entities :

a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I & Stage-II, c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak  
f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat, k) KSK Mahanadi, l) DB Power, m) KWPC, n) Vandana Viduyot 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 July 2020	00-06	22450	800	21650	14334	7316		
			21500**		20700**	13384**			
		06-08	22450		21650	14723	6927		
			21500**		20700**	13773**			
		08-09	20850		20050	14723	5327		
			19900**		19100**	13773**			
		09-17	20850		20050	14723	5327		
19900**	19100**		13773**						
17-18	20850	20050	14723	5327					
	19900**	19100**	13773**						
18-24	20850	20050	14334	5716					
	19900**	19100**	13384**						
NR*	2nd July 2020	00-06	22450	800	21650	14334	7316		
			21500**		20700**	13384**			
		06-09	22450		21650	14723	6927		
			21500**		20700**	13773**			
		09-17	22450		21650	14723	6927		
			21500**		20700**	13773**			
		17-18	22450		21650	14723	6927		
21500**	20700**		13773**						
18-24	22450	21650	14334	7316					
	21500**	20700**	13384**						
NR*	3rd July 2020	00-06	22450	800	21650	14334	7316		
			21500**		20700**	13384**			
		06-08	22450		21650	14723	6927		
			21500**		20700**	13773**			
		08-09	19150		18350	14723	3627		
			18200**		17400**	13773**			
		09-17	19150		18350	14723	3627		
18200**	17400**		13773**						
17-18	19150	18350	14723	3627					
	18200**	17400**	13773**						
18-24	19150	18350	14334	4016					
	18200**	17400**	13384**						

NR*	4th July 2020	00-06	22450 21500**	800	21650 20700**	14334 13384**	7316	
		06-08	22450 21500**		21650 20700**	14723 13773**	6927	
		08-09	19250 18300**		18450 17500**	14723 13773**	3727	
		09-17	19250 18300**		18450 17500**	14723 13773**	3727	
		17-18	19250 18300**		18450 17500**	14723 13773**	3727	
		18-24	19250 18300**		18450 17500**	14334 13384**	4116	
NR*	5th July 2020	00-06	22450 21500**	800	21650 20700**	14334 13384**	7316	
		06-08	22450 21500**		21650 20700**	14723 13773**	6927	
		08-09	21000 20050**		20200 19250**	14723 13773**	5477	
		09-17	21000 20050**		20200 19250**	14723 13773**	5477	
		17-18	21000 20050**		20200 19250**	14723 13773**	5477	
		18-24	21000 20050**		20200 19250**	14334 13384**	5866	
NR*	6th July 2020	00-06	22450 21500**	800	21650 20700**	14334 13384**	7316	
		06-08	22450 21500**		21650 20700**	14723 13773**	6927	
		08-09	22250 21300**		21450 20500**	14723 13773**	6727	
		09-17	22250 21300**		21450 20500**	14723 13773**	6727	
		17-18	22250 21300**		21450 20500**	14723 13773**	6727	
		18-24	22250 21300**		21450 20500**	14334 13384**	7116	



NR*	7th July 2020	00-06	22450	800	21650	14334	7316	
			21500**		20700**	13384**		
		06-08	22450		21650	14723	6927	
			21500**		20700**	13773**		
		08-09	22250		21450	14723	6727	
			21300**		20500**	13773**		
		09-17	22250		21450	14723	6727	
21300**	20500**		13773**					
17-18	22250	21450	14723	6727				
	21300**	20500**	13773**					
18-24	22250	21450	14334	7116				
	21300**	20500**	13384**					
NR*	8th July 2020	00-06	22450	800	21650	14334	7316	
			21500**		20700**	13384**		
		06-08	22450		21650	14723	6927	
			21500**		20700**	13773**		
		08-09	22250		21450	14723	6727	
			21300**		20500**	13773**		
		09-17	22250		21450	14723	6727	
21300**	20500**		13773**					
17-18	22250	21450	14723	6727				
	21300**	20500**	13773**					
18-24	22250	21450	14334	7116				
	21300**	20500**	13384**					
NR*	9th July 2020	00-06	22450	800	21650	14334	7316	
			21500**		20700**	13384**		
		06-08	22450		21650	14723	6927	
			21500**		20700**	13773**		
		08-09	22150		21350	14723	6627	
			21200**		20400**	13773**		
		09-17	22150		21350	14723	6627	
21200**	20400**		13773**					
17-18	22150	21350	14723	6627				
	21200**	20400**	13773**					
18-24	22150	21350	14334	7016				
	21200**	20400**	13384**					

NR*	10th July 2020 to 12th July 2020	00-06	22450	800	21650	14334	7316	
			21500**		20700**	13384**		
		06-08	22450		21650	14723	6927	
			21500**		20700**	13773**		
		08-09	22250		21450	14723	6727	
			21300**		20500**	13773**		
09-17	22250	21450	14723	6727				
	21300**	20500**	13773**					
17-18	22250	21450	14723	6727				
	21300**	20500**	13773**					
18-24	22250	21450	14334	7116				
	21300**	20500**	13384**					
NR*	13th July 2020	00-06	22450	800	21650	14334	7316	
			21500**		20700**	13384**		
		06-08	22450		21650	14723	6927	
			21500**		20700**	13773**		
		08-09	22150		21350	14723	6627	
			21200**		20400**	13773**		
09-17	22150	21350	14723	6627				
	21200**	20400**	13773**					
17-18	22150	21350	14723	6627				
	21200**	20400**	13773**					
18-24	22150	21350	14334	7016				
	21200**	20400**	13384**					
NR*	14th July 2020	00-06	22450	800	21650	14334	7316	
			21500**		20700**	13384**		
		06-08	22450		21650	14723	6927	
			21500**		20700**	13773**		
		08-09	22250		21450	14723	6727	
			21300**		20500**	13773**		
09-17	22250	21450	14723	6727				
	21300**	20500**	13773**					
17-18	22250	21450	14723	6727				
	21300**	20500**	13773**					
18-24	22250	21450	14334	7116				
	21300**	20500**	13384**					

NR*	15th July 2020 to 16th July 2020	00-06	22450	800	21650	14334	7316		
			21500**		20700**	13384**			
		06-08	22450		21650	14723	6927		
			21500**		20700**	13773**			
		08-09	22250		21450	14723	6727		
			21300**		20500**	13773**			
		09-17	22250		21450	14723	6727		
21300**	20500**		13773**						
17-18	22250	21450	14723	6727					
	21300**	20500**	13773**						
18-24	22250	21450	14334	7116					
		21300**	20500**	13384**					
NR*	17th July 2020	00-06	23350	800	22550	14334	8216	900	
			22400**		21600**	13384**			
		06-08	23350		22550	14723	7827		900
			22400**		21600**	13773**			
		08-09	23150		22350	14723	7427		700
			22200**		21400**	13773**			
		09-17	23150		22350	14723	7427		700
22200**	21400**		13773**						
17-18	23150	22350	14723	7427	700				
	22200**	21400**	13773**						
18-24	23150	22350	14334	7816	700				
		22200**	21400**	13384**					

Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line, change in HVDC APD-AGRA flow and change in LGBR

<b>NR*</b>	18th July 2020 to 31st July 2020	00-06	23350 22400**	800	22550 21600**	14334 13384**	8216	900	Revision in TTC/ATC due to change in HVDC APD-AGRA power flow and change in LGBR
		06-09	23350 22400**		22550 21600**	14723 13773**	7827	900	
		09-17	23350 22400**		22550 21600**	14723 13773**	7827	900	
		17-18	23350 22400**		22550 21600**	14723 13773**	7827	900	
		18-24	23350 22400**		22550 21600**	14334 13384**	8216	900	
<b>NER*</b>	1st July 2020	00-07	1080	45	1035	289	746		
		07-12	1080		1035	334	701		
		12-18	1080		1035	334	701		
		18-22	950		905	289	616		
		22-24	1080		1035	289	746		
<b>NER*</b>	2nd July 2020	00-07	1080	45	1035	289	746		
		07-08	1080		1035	334	701		
		08-12	780		735	334	401		
		12-18	780		735	334	401		
		18-22	700		655	289	366		
		22-24	780		735	289	446		
<b>NER*</b>	3rd July 2020	00-07	1080	45	1035	289	746		
		07-08	1080		1035	334	701		
		08-12	780		735	334	401		
		12-18	780		735	334	401		
		18-22	700		655	289	366		
		22-24	780		735	289	446		
<b>NER*</b>	4th July 2020 to 6th July 2020	00-07	1080	45	1035	289	746		
		07-12	1080		1035	334	701		
		12-18	1080		1035	334	701		
		18-22	950		905	289	616		
		22-24	1080		1035	289	746		
<b>NER*</b>	7th July 2020 to 31st July 2020	00-07	950	45	905	289	616		
		07-12	950		905	334	571		
		12-18	950		905	334	571		
		18-22	870		825	289	536		
		22-24	950		905	289	616		
<b>WR*</b>									
<b>SR*</b>	1st July 2020	00-06	12600	750	11850	6698	5152		
		06-0930	12600		11850	6783	5067		
		0930-18	11950		11200	6783	4417		
		18-24	11950		11200	6698	4502		

SR*#	2nd July 2020	00-06	12600	750	11850	6698	5152	
		06-09	12600		12600	6783	5817	
		09-18	11950		11200	6783	4417	
		18-24	11950		11200	6698	4502	
	3rd July 2020 to 6th July 2020	00-06	12900	750	12150	6698	5452	
		06-18	12900		12150	6783	5367	
		18-24	12900		12150	6698	5452	
	7th July 2020	00-06	12900	750	12150	6698	5452	
		06-07	12900		12150	6783	5367	
		07-18	12100		11350	6783	4567	
		18-24	12100		11350	6698	4652	
	8th July 2020	00-06	12900	750	12150	6698	5452	
		06-07	12900		12150	6783	5367	
		07-18	12100		11350	6783	4567	
		18-24	12100		11350	6698	4652	
	9th July 2020	00-06	12900	750	12150	6698	5452	
		06-07	12900		12150	6783	5367	
		07-18	11900		11150	6783	4367	
		18-24	11900		11150	6698	4452	
	10th July 2020 to 15th July 2020	00-06	12900	750	12150	6698	5452	
		06-18	12900		12150	6783	5367	
		18-24	12900		12150	6698	5452	
	16th July 2020	00-06	12900	750	12150	6698	5452	
		06-0730	12900		12150	6783	5367	
		0730-18	11950		11200	6783	4417	
		18-24	11950		11200	6698	4502	
	17th July 2020 to 31st July 2020	00-06	12900	750	12150	6698	5452	
		06-18	12900		12150	6783	5367	
18-24		12900	12150		6698	5452		

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

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

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

Margin in Simultaneous import of NR = A

WR-NR ATC = B

ER-NR ATC = C

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

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

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

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

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

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

**Simultaneous Export Capability**

Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Access (LTA)/ Medium Term Open Access (MTOA)	Margin Available for Short Term Open Access (STOA)	Changes in TTC w.r.t. Last Revision	Comments
NR*	1st July 2020 to 31st July 2020	00-06	4500	700	3800	388	3412		
		06-18			3800	1526	2274		
		18-24	4500		3800	388	3412		
NER*	1st July 2020	00-08	2150	45	2105	21	2084		
		08-18	2150		2105	21	2084		
		18-22	2300		2255	21	2234		
		22-24	2150		2105	21	2084		
NER*	2nd July 2020	00-08	2150	45	2105	21	2084		
		08-18	1700		1655	21	1634		
		18-22	1850		1805	21	1784		
		22-24	1700		1655	21	1634		
NER*	3rd July 2020	00-08	2150	45	2105	21	2084		
		08-18	1700		1655	21	1634		
		18-22	1850		1805	21	1784		
		22-24	1700		1655	21	1634		
NER*	4th July 2020 to 6th July 2020	00-08	2150	45	2105	21	2084		
		08-18	2150		2105	21	2084		
		18-22	2300		2255	21	2234		
		22-24	2150		2105	21	2084		
NER*	7th July 2020 to 31st July 2020	00-08	2300	45	2255	21	2234		
		08-18	2300		2255	21	2234		
		18-22	2450		2405	21	2384		
		22-24	2300		2255	21	2234		
WR*									
SR*^	1st July 2020 to 31st July 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 765 kV Aligarh - Jhatikara Line will lead to overloading of 765 kV Aligarh - Gr. Noida Line	Rev- 0	
	N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev -1 to 19	
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0 to 19	
ER-NR	1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. 2. N-1 contingency of 400 kV Kahalgaon-Banka line will overload the other ckt. 3. N-1 contingency of 400kV MPL- Maithon line will overload the other ckt.	Rev- 0 to 19	
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 19	
	n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt		
	Low Voltage at Gazuwaka (East) Bus.		
WR-SR and ER-SR	n-1 contingency of one 765/400 kV Nizamabad ICT will overload the other ICT	Rev-09 to 10	
WR-SR and ER-SR	n-1 contingency of one 765/400 kV Nizamabad ICT will overload of ICT-I at Maheshwaram	Rev-03 to 04	
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 19	
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Samaguri-Sonabil S/C (200 MW)	Rev- 0 to 3	
ER-NER	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV BTPS - Salakati DC (200 MW)	Rev- 4 to 19	
NER-ER	a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar-Killing Line	Rev- 0 to 3, 8 to 19	
NER-ER	a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 220 kV Killing- Misa D/C TL	Rev- 4 to 7	
W3 zone Injection	---	Rev- 0 to 19	
Limiting Constraints (Simultaneous)		Applicable Revisions	
NR	Import	1. N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. 2. N-1 contingency of 400 kV Kahalgaon-Banka line will overload the other ckt. 3. N-1 contingency of 400kV MPL- Maithon line will overload the other ckt.	Rev- 0 to 19
		n-1 contingency of 765 kV Aligarh - Jhatikara Line will lead to overloading of 765 kV Aligarh - Gr. Noida Line	Rev- 0
		N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev- 1 to 19
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.	Rev- 0 to 19
		(n-1) contingency of 400 kV Saranath-Pusauli	
	Import	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Samaguri-Sonabil S/C (200 MW)	Rev- 0 to 3
NER	Import	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Samaguri-Sonabil S/C (200 MW)	Rev- 4 to 19
		Export	a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar-Killing Line
	Export		a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 220 kV Killing- Misa D/C TL
SR	Import	n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt	Rev- 0 to 19
		n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt	
		Low Voltage at Gazuwaka (East) Bus	
	Import	n-1 contingency of one 765/400 kV Nizamabad ICT will overload the other ICT	Rev - 09 to 10
	Import	n-1 contingency of one 765/400 kV Nizamabad ICT will overload of ICT at Maheshwaram	Rev - 03 to 04
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 19
		N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs	

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

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
1	29th April 2020	Whole Month	Revision in TTC/ATC after after commissioning of 400 kV Aligarh (PG) - Prithala - Kadarapur - Sohna Road link and 765 kV Bikaner - Moga D/C	WR-NR/Import of NR
2	28th May 2020	Whole Month	Revision in STOA margin due to operationalization of MTOA from Rajasthan Solar to Maharashtra and MP	NR-WR/Export of NR
3	29th June 2020	Whole Month	Revision in STOA margin due to change in LTA quantum from GIWEL_SECI-III_RE (Wind, Bhuj) to Punjab from 151.2 MW to 200 MW	WR-NR/Import of NR
			Revision in STOA margin due to allocation of 20.75 MW power from Kameng HEP to UP, Haryana, Chhattisgarh and Goa	NER-ER/Export of NER/ER-NR/Import of NR
		30th June 2020	Revision in TTC/ATC due to forced outage of 400/220 kV ICT-II at Jeypore	ER-SR/Import of SR
		Whole Month	Revision in TTC/ATC due to the following:- a) Change in load-generation balance of NER b) Commissioning of one unit (1x150 MW) of Kameng HEP	NER-ER/ER-NR/Import & Export of NER
			1st July 2020	Revision in TTC/ATC due to outage of 765/400 kV ICT-I at Maheshwaram
1st July 2020	Revision in TTC/ATC due to outage of 765 kV Gwalior - Agra -II	WR-NR/ER-NR/Import of NR		
4	30th June 2020	2nd July 2020	Revised TTC due to day time shutdown of 400 kV Bongaigaon-Byrnihat S/C	NER-ER/ER-NR/Import & Export of NER
			Revision in TTC/ATC due to outage of 765/400 kV ICT-I at Maheshwaram	WR-SR/ER-SR/Import of SR
5	1st July 2020	3rd July 2020	Revision in TTC/ATC due to simultaneous outage of 765 kV Aligarh – Gr. Noida line, 765 kV Gaya- Balia line and 765 kV Jabalpur – Bhopal line.	WR-NR/ER-NR/Import of NR
			Revised TTC due to day time shutdown of 400 kV Bongaigaon-Byrnihat S/C	NER-ER/ER-NR/Import & Export of NER
6	2nd July 2020	4th July 2020	Revision in TTC/ATC due to simultaneous outage of 765 kV Aligarh – Gr. Noida line and 765 kV Gaya- Balia line	WR-NR/ER-NR/Import of NR
7	3rd July 2020	5th July 2020	Revision in TTC/ATC due to simultaneous outage of 765 kV Gwalior - Orail line and 765 kV Gaya- Balia line	WR-NR/ER-NR/Import of NR
8	4th July 2020	6th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line	ER-NR/Import of NR
9	5th July 2020	7th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line	ER-NR/Import of NR
			Revision in TTC/ATC due to outage of 765 kV Nizamabad – Maheshwaram -I	WR-SR/ER-SR/Import of SR
		Whole Month	Revision in TTC due to Commissioning of 2nd unit of Kameng HEP	NER-ER/ER-NR/Import & Export of NER
10	6th July 2020	8th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line	ER-NR/Import of NR
			Revision in TTC/ATC due to outage of 765 kV Nizamabad – Maheshwaram -II	WR-SR/ER-SR/Import of SR
11	7th July 2020	9th July 2020	Revision in TTC/ATC due to simultaneous outage of 765 kV Banaskantha – Chhittorgarh –I and 765 kV Gaya- Balia line.	WR-NR/ER-NR/Import of NR
			Revision in TTC/ATC due to outage of 765 kV Wardha - Nizamabad - I.	WR-SR/ER-SR/Import of SR
12	8th July 2020	10th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line	ER-NR/Import of NR
13	9th July 2020	11th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line	ER-NR/Import of NR
14	10th July 2020	12th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line	ER-NR/Import of NR
15	11th July 2020	13th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line alongwith 765 kV Banaskantha Chittorgarh S/C	WR-NR/ER-NR/Import of NR
16	12th July 2020	14th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line	ER-NR/Import of NR
17	13th July 2020	15th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line	ER-NR/Import of NR
18	14th July 2020	16th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line	ER-NR/Import of NR
			Revision in TTC/ATC due to reverse high power testing of HVDC Raigarh – Pugalur bipole.	WR-SR/Import of SR
19	15th July 2020	17th July 2020	Revision in TTC/ATC due to outage of 765 kV Gaya- Balia line, change in HVDC APD-AGRA flow and change in LGBR	ER-NR/WR-NR/Import of NR
		18th July 2020 to 31st July 2020	Revision in TTC/ATC due to change in HVDC APD-AGRA power flow and change in LGBR	ER-NR/WR-NR/Import of NR



ASSUMPTIONS IN BASECASE					
				Month : July'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	10228	9530	4580	4618
2	Haryana	9146	9428	2953	2953
3	Rajasthan	10205	11428	6168	6168
4	Delhi	5674	6558	753	753
5	Uttar Pradesh	18102	15529	9903	9908
6	Uttarakhand	2144	1981	1060	1015
7	Himachal Pradesh	1562	1558	859	854
8	Jammu & Kashmir	3049	1686	1075	1017
9	Chandigarh	375	303	0	0
10	ISGS/IPPs	23	23	20932	19626
	<b>Total NR</b>	<b>60510</b>	<b>58023</b>	<b>48283</b>	<b>46912</b>
II	<b>EASTERN REGION</b>				
1	Bihar	5380	4412	99	110
2	Jharkhand	1637	1024	425	421
3	Damodar Valley Corporation	3028	2466	4980	4180
4	Orissa	4823	3995	3952	2615
5	West Bengal	8541	7006	5659	4956
6	Sikkim	114	43	0	0
7	Bhutan	171	168	1474	1444
8	ISGS/IPPs	-171	-168	11907	10404
	<b>Total ER</b>	<b>23523</b>	<b>18947</b>	<b>28495</b>	<b>24128</b>
III	<b>WESTERN REGION</b>				
1	Maharashtra	16912	14197	12996	9886
2	Gujarat	13683	8433	10325	6208
3	Madhya Pradesh	8253	5455	4058	2863
4	Chattisgarh	3890	3168	2239	2230
5	Daman and Diu	297	153	0	0
6	Dadra and Nagar Haveli	781	550	0	0
7	Goa-WR	513	326	0	0
8	ISGS/IPPs	4640	3609	33397	25451
	<b>Total WR</b>	<b>48969</b>	<b>35891</b>	<b>63015</b>	<b>46638</b>

S.No.	Name of State/Area	Load		Generation	
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
IV	SOUTHERN REGION				
1	Andhra Pradesh	9316	6695	6310	5934
2	Telangana	9937	9870	5913	4863
3	Karnataka	8351	4343	6606	3257
4	Tamil Nadu	14738	12867	8660	7460
5	Kerala	3683	2236	1649	423
6	Pondy	298	246	0	0
7	Goa-SR	58	48	0	0
8	ISGS/IPPs	0	0	14970	12179
	Total SR	46381	36305	44109	34117
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	111	70	18	16
2	Assam	1707	1346	295	245
3	Manipur	183	82	0	0
4	Meghalaya	269	198	237	142
5	Mizoram	99	66	68	42
6	Nagaland	120	75	22	16
7	Tripura	259	154	76	75
8	ISGS/IPPs	159	81	2385	2242
	Total NER	2907	2073	3101	2778
	Total All India	182131	151157	187003	154572