

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

Issue Date: 21st September, 2021

Issue Time: 1300 hrs

Revision No. 21

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 September 2021 to 30th September 2021	00-06	2500	500	2000	378	1622		
		06-18				1206	794		
		18-24				378	1622		
WR-NR*	1st September 2021 to 7th September 2021	00-06	19500	1000	18500	11279	7221		
			18550**		17550**	10329**			
		06-18	19500		18500	11668	6832		
		18550**	17550**	10718**					
		18-24	19500	1000	18500	11279	7221		
			18550**	17550**	10329**				
WR-NR*	8th September 2021	00-06	18950	1000	17950	11279	6671		
			18000**		17000**	10329**			
		06-18	18950		17950	11668	6282		
		18000**	17000**	10718**					
		18-24	18950	1000	17950	11279	6671		
			18000**	17000**	10329**				
WR-NR*	9th September 2021	00-06	18950	1000	17950	11279	6671		
			18000**		17000**	10329**			
		06-18	18950		17950	11668	6282		
		18000**	17000**	10718**					
		18-24	18950	1000	17950	11279	6671		
			18000**	17000**	10329**				
WR-NR*	10th September 2021	00-06	18950	1000	17950	11279	6671		
			18000**		17000**	10329**			
		06-18	18950		17950	11668	6282		
		18000**	17000**	10718**					
		18-24	18950	1000	17950	11279	6671		
			18000**	17000**	10329**				
WR-NR*	11th September 2021	00-06	18950	1000	17950	11279	6671		
			18000**		17000**	10329**			
		06-18	18950		17950	11668	6282		
		18000**	17000**	10718**					
		18-24	18950	1000	17950	11279	6671		
			18000**	17000**	10329**				
WR-NR*	12th September 2021	00-06	18950	1000	17950	11279	6671		
			18000**		17000**	10329**			
		06-0930	18950		17950	11668	6282		
			18000**		17000**	10718**			
		0930-18	16800	1000	15800	11668	4132		
			15850**	14850**	10718**				
		18-24	16800	1000	15800	11279	4521		
			15850**	14850**	10329**				

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WR-NR*	13th September 2021	00-06	18950 18000**	1000	17950 17000**	11279 10329**	6671		
		06-0930	18950 18000**	1000	17950 17000**	11668 10718**	6282		
		0930-18	16800 15850**	1000	15800 14850**	11668 10718**	4132		
		18-24	16800 15850**	1000	15800 14850**	11279 10329**	4521		
WR-NR*	14th September 2021 to 15th September 2021	00-06	18950 18000**	1000	17950 17000**	11279 10329**	6671		
		06-18	18950 18000**	1000	17950 17000**	11668 10718**	6282		
		18-24	18950 18000**	1000	17950 17000**	11279 10329**	6671		
WR-NR*	16th September 2021 to 19th September 2021	00-06	18950 18000**	1000	17950 17000**	11279 10329**	6671		
		06-18	18950 18000**	1000	17950 17000**	11668 10718**	6282		
		18-24	18950 18000**	1000	17950 17000**	11279 10329**	6671		
WR-NR*	20th September 2021 to 21st September 2021	00-06	18950 18000**	1000	17950 17000**	11279 10329**	6671		
		06-18	18950 18000**	1000	17950 17000**	11668 10718**	6282		
		18-24	18950 18000**	1000	17950 17000**	11279 10329**	6671		
WR-NR*	22nd September 2021 to 25th September 2021	00-06	19500 18550**	1000	18500 17550**	11279 10329**	7221	550	TTC/ATC Revised due to revival of HVDC Mundra Mahindergarh Pole 1
		06-18	19500 18550**	1000	18500 17550**	11668 10718**	6832	550	
		18-24	19500 18550**	1000	18500 17550**	11279 10329**	7221	550	
WR-NR*	26th September 2021 to 30th September 2021	00-06	19500 18550**	1000	18500 17550**	11279 10329**	7221		
		06-18	19500 18550**	1000	18500 17550**	11668 10718**	6832		
		18-24	19500 18550**	1000	18500 17550**	11279 10329**	7221		
NR-ER*	1st September 2021 to 30th September 2021	00-06	2000	200	1800	93	1707		
		06-18	2000		1800	908	892		
		18-24	2000		1800	93	1707		

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ER-NR*	1st September 2021 to 7th September 2021	00-24	5900	400	5500	4372	1128		
	8th September 2021	00-24	5800	400	5400	4372	1028		
	9th September 2021	00-24	5800	400	5400	4372	1028		
	10th September 2021	00-24	5800	400	5400	4372	1028		
	11th September 2021	00-24	5800	400	5400	4372	1028		
	12th September 2021	00-0930	5800	400	5400	4372	1028		
		0930-24	5250	400	4850	4372	478		
	13th September 2021	00-0930	5800	400	5400	4372	1028		
		0930-24	5250	400	4850	4372	478		
	14th September 2021 to 15th September 2021	00-24	5800	400	5400	4372	1028		
	16th September 2021 to 19th September 2021	00-24	5800	400	5400	4372	1028		
	20th September 2021 to 21st September 2021	00-24	5800	400	5400	4372	1028		
	22nd September 2021 to 25th September 2021	00-24	5900	400	5500	4372	1128	100	TTC/ATC Revised due to revival of HVDC Mundra Mahindingarh Pole 1
26th September 2021 to 30th September 2021	00-24	5900	400	5500	4372	1128			
W3-ER	1st September 2021 to 30th September 2021	00-24	No limit is being specified.						
ER-W3	1st September 2021 to 30th September 2021	00-24	No limit is being specified.						
WR-SR [^]	1st September 2021 to 3rd September	00-05	9300	650	8650	3596	5054		
		05-22	9300		8650		5054		
		22-24	9300		8650		5054		
WR-SR [^]	4th September 2021	00-05	9300	650	8650	3596	5054		
		05-22	9300		8650		5054		
		22-24	9300		8650		5054		
WR-SR [^]	5th September 2021	00-05	9300	650	8650	3596	5054		
		05-22	9300		8650		5054		
		22-24	9300		8650		5054		

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WR-SR [^]	6th September 2021 to 11th September 2021	00-05	9350	650	8700	3596	5104				
		05-22	9350		8700		5104				
		22-24	9350		8700		5104				
WR-SR [^]	12th September 2021	00-05	9350	650	8700	3596	5104				
		05-09	9350		8700		5104				
		09-16	9300		8650		5054				
		16-22	9350		8700		5104				
		22-24	9350		8700		5104				
WR-SR [^]	13th September 2021 to 16th September 2021	00-05	9350	650	8700	3596	5104				
		05-22	9350		8700		5104				
		22-24	9350		8700		5104				
WR-SR [^]	17th September 2021	00-05	9350	650	8700	3596	5104				
		05-07	9350		8700		5104				
		07-22	9000		8350		4754				
		22-24	9000		8350		4754				
WR-SR [^]	18th September 2021 to 30th September 2021	00-05	9000	650	8350	3596	4754				
		05-22	9000		8350		4754				
		22-24	9000		8350		4754				
SR-WR*	1st September 2021 to 15th September	00-09	6000	400	5600	857	4743				
		09-16	5100	400	4700	857	3843				
		16-24	6000	400	5600	857	4743				
SR-WR*	16th September 2021	00-07	6000	400	5600	857	4743				
		07-09	5200	400	4800	857	3943				
		09-16	4300	400	3900	857	3043				
		16-24	5200	400	4800	857	3943				
SR-WR*	17th September 2021 to 30th September 2021	00-09	6000	400	5600	857	4743				
		09-16	5100	400	4700	857	3843				
		16-24	6000	400	5600	857	4743				
ER-SR [^]	1st September 2021 to 3rd September 2021	00-06	5450	350	5100		2672	2428			
		06-18					2757	2343			
		18-24					2672	2428			
	4th September 2021	00-06	5450	350	5100		2672	2428			
		06-18					2757	2343			
		18-24					2672	2428			
	5th September 2021	00-06	5450	350	5100		2672	2428			
		06-18					2757	2343			
		18-24					2672	2428			
	6th September 2021 to 11th September 2021	00-06	5750	350	5400		2672	2728			
		06-18					2757	2643			
		18-24					2672	2728			
	12th September 2021	00-06	5750	350	5400		2672	2728			
		06-09					5750	5400		2757	2643
		09-16					5450	5100		2757	2343
		16-18					5750	5400		2757	2643
		18-24					5750	5400		2672	2728
	13th September 2021 to 16th September 2021	00-06	5750	350	5400		2672	2728			
		06-18					2757	2643			
		18-24					2672	2728			
	17th September 2021	00-06	5750	350	5400		2672	2728			
		06-07					5750	5400		2757	2643
		07-18					5700	5350		2757	2593
		18-24					5700	5350		2672	2678
18th September 2021 to 30th September 2021	00-06	5700	350	5350		2672	2678				
	06-18					2757	2593				
	18-24					2672	2678				
SR-ER *	1st September 2021 to 30th September 2021	00-24	No limit is being Specified.								

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ER-NER*	1st September 2021 to 30th September 2021	00-02	1670	45	1625	455	670		
		02-07	1670		1625	455	670		
		07-12	1670		1625	455	670		
		12-18	1670		1625	455	670		
		18-22	1430		1385	455	430		
		22-24	1670		1625	455	670		
		22-24	2700		2655	131	3024		
NER-ER*	1st September 2021 to 30th September 2021	00-02	2700	45	2655	131	3024		
		02-07	2700		2655	131	3024		
		07-12	2700		2655	131	3024		
		12-18	2700		2655	131	3024		
		18-22	2600		2555	131	2924		
		22-24	2700		2655	131	3024		
		22-24	2700		2655	131	3024		

W3 zone Injection	1st September 2021 to 30th September 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-III generation is considered as NR regional entity.

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

2) W3 comprises of the following regional entities :

a) Chattisgarh Sell transaction, b) Jindal Power Limited (JPL) Stage-I & Stage-II, c) Jindal Steel and Power Limited (JSPL), d) ACBL, e) LANCO Amarkantak
f) BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat, k) KSK Mahanadi, L)DB Power, m) KWPCCL, n)Vandana Viduyut o)RKM, p)GMR Raikheha, 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.

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 margin unchanged in NER-ER/NER export.

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 September 2021 to 7th September 2021	00-06	25400	1400	24000	15651	8349				
			24450**		23050**	14701**					
		06-09	25400		24000	16040	7960				
			24450**		23050**	15090**					
		09-17	25400		24000	16040	7960				
			24450**		23050**	15090**					
17-18	25400	24000	16040	7960							
	24450**	23050**	15090**								
18-24	25400	24000	15651	8349							
	24450**	23050**	14701**								
NR	8th September 2021	00-06	24750	1400			23350	15651	7699		
			23800**				22400**	14701**			
		06-09	24750		23350		16040	7310			
			23800**		22400**		15090**				
		09-17	24750		23350	16040	7310				
			23800**		22400**	15090**					
17-18	24750	23350	16040	7310							
	23800**	22400**	15090**								
18-24	24750	23350	15651	7699							
	23800**	22400**	14701**								
NR	9th September 2021	00-06	24750	1400			23350	15651	7699		
			23800**				22400**	14701**			
		06-09	24750		23350		16040	7310			
			23800**		22400**		15090**				
		09-17	24750		23350	16040	7310				
			23800**		22400**	15090**					
17-18	24750	23350	16040	7310							
	23800**	22400**	15090**								
18-24	24750	23350	15651	7699							
	23800**	22400**	14701**								
NR	10th September 2021	00-06	24750	1400			23350	15651	7699		
			23800**				22400**	14701**			
		06-09	24750		23350		16040	7310			
			23800**		22400**		15090**				
		09-17	24750		23350	16040	7310				
			23800**		22400**	15090**					
17-18	24750	23350	16040	7310							
	23800**	22400**	15090**								
18-24	24750	23350	15651	7699							
	23800**	22400**	14701**								

NR	11th September 2021	00-06	24750 23800**	1400	23350 22400**	15651 14701**	7699	
		06-09	24750 23800**		23350 22400**	16040 15090**	7310	
		09-17	24750 23800**		23350 22400**	16040 15090**	7310	
		17-18	24750 23800**		23350 22400**	16040 15090**	7310	
		18-24	24750 23800**		23350 22400**	15651 14701**	7699	
NR	12th September 2021	00-06	24750 23800**	1400	23350 22400**	15651 14701**	7699	
		06-09	24750 23800**		23350 22400**	16040 15090**	7310	
		09-0930	24750 23800**		23350 22400**	16040 15090**	7310	
		0930-17	22050 21100**		20650 19700**	16040 15090**	4610	
		17-18	22050 21100**		20650 19700**	16040 15090**	4610	
		18-24	22050 21100**		20650 19700**	15651 14701**	4999	
NR	13th September 2021	00-06	24750 23800**	1400	23350 22400**	15651 14701**	7699	
		06-09	24750 23800**		23350 22400**	16040 15090**	7310	
		09-0930	24750 23800**		23350 22400**	16040 15090**	7310	
		0930-17	22050 21100**		20650 19700**	16040 15090**	4610	
		17-18	22050 21100**		20650 19700**	16040 15090**	4610	
		18-24	22050 21100**		20650 19700**	15651 14701**	4999	
NR	14th September 2021 to 15th September 2021	00-06	24750 23800**	1400	23350 22400**	15651 14701**	7699	
		06-09	24750 23800**		23350 22400**	16040 15090**	7310	
		09-17	24750 23800**		23350 22400**	16040 15090**	7310	
		17-18	24750 23800**		23350 22400**	16040 15090**	7310	
		18-24	24750 23800**		23350 22400**	15651 14701**	7699	

NR	16th September 2021 to 19th September 2021	00-06	24750 23800**	1400	23350 22400**	15651 14701**	7699	
		06-09	24750 23800**		23350 22400**	16040 15090**	7310	
		09-17	24750 23800**		23350 22400**	16040 15090**	7310	
		17-18	24750 23800**		23350 22400**	16040 15090**	7310	
		18-24	24750 23800**		23350 22400**	15651 14701**	7699	
NR	20th September 2021 to 21st September 2021	00-06	24750 23800**	1400	23350 22400**	15651 14701**	7699	
		06-09	24750 23800**		23350 22400**	16040 15090**	7310	
		09-17	24750 23800**		23350 22400**	16040 15090**	7310	
		17-18	24750 23800**		23350 22400**	16040 15090**	7310	
		18-24	24750 23800**		23350 22400**	15651 14701**	7699	
NR	22nd September 2021 to 25th September 2021	00-06	25400 24450**	1400	24000 23050**	15651 14701**	8349	650
		06-09	25400 24450**		24000 23050**	16040 15090**	7960	650
		09-17	25400 24450**		24000 23050**	16040 15090**	7960	650
		17-18	25400 24450**		24000 23050**	16040 15090**	7960	650
		18-24	25400 24450**		24000 23050**	15651 14701**	8349	650
NR	26th September 2021 to 30th September 2021	00-06	25400 24450**	1400	24000 23050**	15651 14701**	8349	
		06-09	25400 24450**		24000 23050**	16040 15090**	7960	
		09-17	25400 24450**		24000 23050**	16040 15090**	7960	
		17-18	25400 24450**		24000 23050**	16040 15090**	7960	
		18-24	25400 24450**		24000 23050**	15651 14701**	8349	
NER*	1st September 2021 to 30th September 2021	00-02	1170	45	1125	455	670	
		02-07	1170		1125	455	670	
		07-12	1170		1125	455	670	
		12-18	1170		1125	455	670	
		18-22	930		885	455	430	
		22-24	1170		1125	455	670	
TTC/ATC Revised due to revival of HVDC Mundra Mahindingarh Pole 1								

WR*								
SR**	1st September 2021 to 3rd September 2021	00-06	14750	1000	13750	6270	7480	
		06-18	14750		13750	6355	7395	
		18-24	14750		13750	6270	7480	
	4th September 2021	00-06	14750	1000	13750	6270	7480	
		06-18	14750		13750	6355	7395	
		18-24	14750		13750	6270	7480	
	5th September 2021	00-06	14750	1000	13750	6270	7480	
		06-18	14750		13750	6355	7395	
		18-24	14750		13750	6270	7480	
	6th September 2021 to 11th September 2021	00-06	15100	1000	14100	6270	7830	
		06-18	15100		14100	6355	7745	
		18-24	15100		14100	6270	7830	
12th September 2021	00-06	15100	1000	14100	6270	7830		
	06-09	15100		14100	6355	7745		
	09-16	14750		13750	6355	7395		
	16-18	15100		14100	6355	7745		
13th September 2021 to 16th September 2021	00-06	15100	1000	14100	6270	7830		
	06-18	15100		14100	6355	7745		
	18-24	15100		14100	6270	7830		
17th September 2021	00-06	15100	1000	14100	6270	7830		
	06-07	15100		14100	6355	7745		
	07-18	14700		13700	6355	7345		
	18-24	14700		13700	6270	7430		
18th September 2021 to 30th September 2021	00-06	14700	1000	13700	6270	7430		
	06-18	14700		13700	6355	7345		
	18-24	14700		13700	6270	7430		

* 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 STO 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 September 2021 to 30th September 2021	00-06	4500	700	3800	471	3329		
		06-18				2114	1686		
		18-24				471	3329		
NER*	1st September 2021 to 30th September 2021	00-02	3200	45	3155	131	3024		
		02-07	3200		3155	131	3024		
		07-12	3200		3155	131	3024		
		12-18	3200		3155	131	3024		
		18-22	3100		3055	131	2924		
		22-24	3200		3155	131	3024		
WR*									
SR*^	1st September 2021 to 15th September 2021	00-09	5500	400	5100	1586	3514		
		09-16	4600	400	4200	1586	2614		
		16-24	5500	400	5100	1586	3514		
SR*^	16th September 2021	00-07	5500	400	5100	1586	3514		
		07-09	4700	400	4300	1586	2714		
		09-16	3800	400	3400	1586	1814		
		16-24	4700	400	4300	1586	2714		
SR*^	17th September 2021 to 30th September 2021	00-09	5500	400	5100	1586	3514		
		09-16	4600	400	4200	1586	2614		
		16-24	5500	400	5100	1586	3514		

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
	N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT		Rev- 1 to 5
	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit		Rev- 6 to 18,20-21
	N-1 contingency of 765kV Satna-Orai line will overload 765 kV Vindhyachal-Varanasi ckt-2		Rev- 19
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli		Rev- 0 to 21
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
	Inter-regional flow pattern towards NR		Rev- 1 to 20
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 20
	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 3
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- 4 to 21
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 21
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 7
	a) N-1 contingency of 400 kV Bongaigaon - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurduar DC (200 MW)		Rev- 8 to 21
W3 zone Injection	---		Rev- 0 to 21
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
		Inter-regional flow pattern towards NR	Rev- 1 to 21
		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 5
		N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	Rev- 6 to 18,20-21
		N-1 contingency of 765kV Satna-Orai line will overload 765 kV Vindhyachal-Varanasi ckt-2	Rev- 19
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0 to 21
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 21
		Export	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurduar II or I
	Export		a) N-1 contingency of 400 kV Bongaigaon - Alipurduar I or II b) High Loading of 220 kV Salakati - Alipurduar DC (200 MW)
		SR	Import
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 3
	Export		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.

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

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
1	4th June 2021	Whole month	a) Reversal in HVDC APD-Agra flow	WR-NR, ER-NR & NR Import
2	28th June 2021	Whole month	b) Commissioning of 765kV Ajmer-Phagi D/C and 765kV G.Noida-Fatehabad S/C	WR-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	
			b) Revised STOA margin due to increase in LTA allocations by 21 MW (19 MW to 40 MW) from AWEK1L to Chandigarh	WR-SR/ SR Import
			Revised STOA margin due to increase in LTA allocations by 10 MW (65 MW to 75 MW) from AWEKTL-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)	
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			
3	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
4	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
5	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 -	WR-NR/NR Import			
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				
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			
6	24th August, 2021	Whole Month	Revised TTC/ATC due to commissioning of 765kV Vindhyachal-Varanasi D/C	WR-NR, ER-NR & NR Import
7	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
Revised STOA margin due to change in LTA allocations	NER Import/Export			
8	29th August, 2021	Whole Month	1) Change in Load-Generation of NER	NER Import/Export
			2) One Unit BGTTP (3x250 MW) and Kameng HEP (4x150 MW) are under force outage	
			3) commissioning of 400 kV Palatana - SM Nagar(TSECL) Line 1 on 11th July 2021	
9	29th August, 2021	1st to 3rd Sep 2021	Revised TTC/ATC due to continuous shutdown of 400kV Rengali-Indravati-1	WR-SR/ER-SR/SR Import
10	3rd September 2021	4th September 2021	Revised TTC/ATC due to non revival shutdown of 400kV Rengali-Indravati-1	WR-SR/ER-SR/SR Import
11	4th September 2021	5th September 2021	Revised TTC/ATC due to non revival shutdown of 400kV Rengali-Indravati-1	WR-SR/ER-SR/SR Import
12	7th September 2021	8th September 2021	TTC/ATC Revised due to forced outage of HVDC Mundra Mahindergarh Pole 1	WR-NR/ER-NR/NR Import
13	8th September 2021	9th September 2021	TTC/ATC Revised due to forced outage of HVDC Mundra Mahindergarh Pole 1	WR-NR/ER-NR/NR Import
14	8th September 2021	10th September 2021	TTC/ATC Revised due to forced outage of HVDC Mundra Mahindergarh Pole 1	WR-NR/ER-NR/NR Import
15	9th September 2021	11th to 15th September 2021	TTC/ATC Revised due to forced outage of HVDC Mundra Mahindergarh Pole 1	WR-NR/ER-NR/NR Import
16	10th September 2021	12th September 2021	Revised TTC/ATC due to shutdown of 765kV Vindhyachal-Varanasi ckt-1	WR-NR/ER-NR/NR Import
			Revised TTC/ATC due to shutdown of 400kV Meramundali-Bolangir line	WR-SR/ER-SR/SR Import
17	11th September 2021	13th September 2021	Revised TTC/ATC due to shutdown of 765kV Vindhyachal-Varanasi ckt-1	WR-NR/ER-NR/NR Import
18	14th September 2021	16th to 19th September 2021	TTC/ATC Revised due to forced outage of HVDC Mundra Mahindergarh Pole 1	WR-NR/ER-NR/NR Import
		16th September 2021	Revised TTC/ATC due to shutdown of 400kV Kolhapur (MH) - Kolhapur (PG) - 2	SR-WR/SR Export
19	15th September 2021	17th to 30th September 2021	Revised TTC/ATC due to shutdown of 765 kV Wardha - Aurangabad - 3 & 4	ER-SR/WR-SR/SR Import
20	18th September 2021	20th to 25th September 2021	TTC/ATC Revised due to forced outage of HVDC Mundra Mahindergarh Pole 1	WR-NR/ER-NR/NR Import
21	21st September 2021	22nd to 25th September 2021	TTC/ATC Revised due to revival of HVDC Mundra Mahindergarh Pole 1	WR-NR/ER-NR/NR Import

ASSUMPTIONS IN BASECASE					
				Month : September 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