_				Load Desp Isfer Capabi		re ember 2021					
sue Date:	29th August, 2	2021	Issu	ie Time: 220	0 hrs		1	Revision No.	8		
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		
		00-06				378	1622				
NR-WR* 2021	1st September 2021 to 30th September 2021	06-18	2500	500	2000	1206	794				
		18-24				378	1622				
		00-06	19500 18550**	1000	18500 17550**	11279 10329**	7221				
WR-NR*	1st September 2021 to 30th September 2021	06-18	19500 18550**	1000	18500 17550**	11668 10718**	6832				
		18-24	19500 18550**	1000	18500 17550**	11279 10329**	7221				
	1st September	00-06	2000		1800	93	1707				
NR-ER*	2021 to 30th September 2021	06-18 18-24	2000 2000 2000	200	1800 1800 1800	908 93	892 1707				
ER-NR*	1st 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 <sup>^</sup>	1st September 2021 to 30th September 2021	00-05 05-22 22-24	9350 9350 9350	650	8700 8700 8700	3596	5104 5104 5104		-		
an wina	1st September	00-09	6000	400	5600	857	4743		-		
SR-WR*	2021 to 30th September 2021	09-16 16-24	5100 6000	400 400	4700 5600	857 857	3843 4743				
ER-SR <sup>△</sup>		00-06 06-18	5750	350	5400	2672 2757	2728 2643				
SR-ER *	September 2021 1st September 2021 to 30th	18-24 00-24				2672	2728	No limit is h	being Specified.		
JK-EK	September 2021	00 24						110 11111 15 0			
		00-02 02-07	1670 1670		1625 1625	455 455	670 670	940 940			
ER-NER*	1st September 2021 to 30th	07-12	1670	45	1625	455	670	860	<ol> <li>Change in Load-Generation of NER</li> <li>One Unit BGTPP (3x250 MW) and Kameng HEP (4x150 MW) are under force outage</li> </ol>		
	September 2021	12-18 18-22	1670 1430		1625 1385	455 455	670 430	930 840	3) commissioning of 400 kV Palatana - SM Nagar(TSECL) Line 1 on 11th July 2021		
		22-24	1430		1625	455	430 670	940			
		00-02	2700		2655	131	3024	-800			
	1st September	02-07	2700		2655 2655	131	3024 3024	-800 -790	1) Change in Load-Generation of NER		
NER-ER*	2021 to 30th	07-12 12-18	2700 2700	45	2655	131 131	3024	-790	2) One Unit BGTPP (3x250 MW) and Kameng HEP (4x150 MW) are under force outage		
	September 2021	18-22	2600		2555	131	2924	-790	3) commissioning of 400 kV Palatana - SM Nagar(TSECL) Line 1 on 11th July 2021		
		22-24	2700		2655	131	3024	-800			
	<b>3 zone</b> 1st September 2021 to 30th 00-24. No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)										
W3 zone Injection	2021 to 30th										
Injection	2021 to 30th September 2021		t of S3(Kerala	a), Import of F	unjab and Im	port of DD & DNI	H is uploaded on I	NLDC website	under Intra-Regional Section in Monthly ATC.		
Injection ote: TTC/A	2021 to 30th September 2021 ATC of S1-(S2&: nt (50 % ) Counte	S3) corridor, Import r flow benefit on according to the second	ount of LTA/M	ITOA transacti	ions in the reve	rse direction would	be considered for a	dvanced transa	actions (Bilateral & First Come First Serve).		
Injection fote: TTC/A Fifty Percer *Considerin gional entity	2021 to 30th September 2021 ATC of S1-(S2&: nt (50 % ) Counte ng 400 kV Rihand ty.	S3) corridor, Import r flow benefit on according to the second	ount of LTA/M nal PS D/C line	ITOA transacti	ions in the reve nal line for the p	rse direction would	be considered for a	dvanced transa			

a) Characterization (a) Johan Towe Limited (FL) Suger R Stager B, Coman Steer and Towe Limited (GFL), (b) ACDC, (c) LAVEO Financianak (f) BALCO, g) Steritie (FL), (c) A, (b) NSPC(-), (c) Korba, (c) Singer R Stager B, C) Indea Steer and Towe Limited (GFL), (c) ACDC, (c) LAVEO Financianak (f) BALCO, (c) Steritie (FL), (c) A, (c) Singer R Stager B, (c) Indea Steer and Towe Limited (GFL), (c) ACDC, (c) LAVEO Financianak and any other regional entity generator in Chhattisgarh

## National Load Despatch Centre Total Transfer Capability for Septeml

	Total Transfer Capability for September 2021										
Issue Date:	Issue Date: 29th August, 2021 Issue Time: 2200 hrs						1	Revision No.	8		
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		
Fuel shortage In the eventua	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/ "uel shortage/New units being commissionned 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.										
1) The TTC	value will be rev	to any shutdown : rised to normal values rised to normal values				ime.					

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 implemetation.

^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 marging 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
		00-06	25400 24450**		24000 23050**	15651 14701**	8349		-
		06-09	25400 24450**		24000 23050**	16040 15090**	7960		
NR	1st September 2021 to 30th September 2021	09-17	25400 24450**	1400	24000 23050**	16040 15090**	7960		
		17-18	25400 24450**	4450** 25400 4450**	24000 23050**	16040 15090**	7960		
		18-24	25400 24450**		24000 23050**	15651 14701**	8349		
NER <sup>*</sup>	1st September 2021 to 30th September 2021	00-02 02-07 07-12 12-18 18-22 22-24	1170 1170 1170 1170 930 1170	45	1125 1125 1125 1125 885 1125	455 455 455 455 455 455	670 670 670 670 430 670	440 440 360 430 340 440	<ol> <li>Change in Load-Generation of NER</li> <li>One Unit BGTPP (3x250 MW) and Kameng HEP (4x150 MW) are under force outage</li> <li>commissioning of 400 kV Palatana - SM Nagar(TSECL) Line 1 on 11th July 2021</li> </ol>
WR*									
SR*#	1st September 2021 to 30th September 2021	00-06 06-18 18-24	15100 15100 15100	1000	14100 14100 14100	6270 6355 6270	7830 7745 7830	he considered	l for advanced transactions (Bilateral & First Come First Serve).
**Consider		l stage-II	I - Vindhyach						and accounting and 950 MW ex-bus generation in Rihand stage-III. Rihand Stage-III
* 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									
•	WR-NR applicant ER-NR Applicant								
Real Time 7	TTC/ATC revision	s are uplo	oaded on POS	SOCO/NLDC	"News Update	e" (Flasher) Sectio	on		
	X315 MVA, 400/2 ke SPS implemeta		Ts at Marada	m are N-1 noi	n-compliant, th	ne TTC of SR Imp	port has not been	restricted due	to the same considering that this aspect will be managed by AP SLDC through appropiate
In case of d	rawl of Karnataka	beyond 3	8800 MW, the	e voltages in B	engaluru area	are observed to b	e critically low. T	This issue may	be taken care of by Karnataka by taking appropiate measures.
WR-NR/Im	port of NR TTC h	as been c	alculated con	sidering gener	ration at Parico	cha TPS as 350 M	IW. TTC figures	are subject to	change with significant change in generation at Pariccha TPS.

Simultaneo	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		
		00-06				471	3329				
NR*	1st September 2021 to 30th September 2021	06-18 4500		700	3800	2114	1686	186			
		18-24				471	3329				
		00-02	3200		3155	131	3024	-300			
		02-07	3200		3155	131	3024	-300			
NER*	1st September 2021 to 30th	07-12	3200		45	3155	131	3024	-290	<ol> <li>Change in Load-Generation of NER</li> <li>One Unit BGTPP (3x250 MW) and Kameng HEP (4x150 MW) are under force outage</li> </ol>	
NEK*	September 2021	12-18	3200	45	3155	131	3024	-240	3) commissioning of 400 kV Palatana - SM Nagar(TSECL) Line 1 on 11th July 2021		
		18-22	3100		3055	131	2924	-290			
		22-24	3200		3155	131	3024	-300			
WR*											
		00-09	5500	400	5100	1586	3514				
SR*^	1st September 2021 to 30th	09-16	4600	400	4200	1586	2614				
	September 2021	16-24	5500	400	5100	1586	3514				
Real Time	TTC/ATC revisio	ns are up	ploaded on P	OSOCO/NL	DC "News U	pdate" (Flasher) S	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.

		Applicable Revisions
Corridor	Constraint	
	N-1 contingency of 1500 MVA, 765/400 kV ICT at Agra will overload the other ICT	Rev- 0
WR-NR	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 8
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0 to 8
ER-NR	<ol> <li>N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt.</li> <li>Inter-regional flow pattern towards NR</li> </ol>	Rev- 0
211111	Inter-regional flow pattern towards NR	Rev- 1 to 8
WR-SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	
	N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit	Rev- 0 to 8
SK	Low Voltage at Gazuwaka (East) Bus.	
SR-WR	<ul> <li>a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt</li> <li>b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs</li> </ul>	Rev- 0 to 3
SR-WR	<ul> <li>a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt</li> <li>b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs</li> </ul>	Rev- 4 to 8
ER-NER	<ul><li>a) N-1 contingency of 400 kV Bongaigaon - Azara line</li><li>b) High Loading of 220 kV Salakati - BTPS D/C</li></ul>	Rev- 0 to 8
NED ED	<ul><li>a) N-1 contingency of 220 kV Salakati - Alipurduar I or II</li><li>b) High Loading of 220 kV Salakati - Alipurduar II or I</li></ul>	Rev- 0 to 7
NER-ER	<ul> <li>a) N-1 contingency of 400 kV Bongaigaon - Alipurduar I or II</li> <li>b) High Loading of 220 kV Salakati - Alipurduar DC (200 MW)</li> </ul>	Rev- 8
W3 zone		Rev- 0 to 8
Injection		

## Limiting Constraints (Simultaneous)

Limiting	Constraints	(Simultaneous)	
			Applicable Revisions
		<ol> <li>N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt.</li> <li>Inter-regional flow pattern towards NR</li> </ol>	Rev- 0
	Import	Inter-regional flow pattern towards NR	Rev-1 to 7
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 8
	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 8
	Import	a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C	Rev- 0 to 8
NER	Export	<ul><li>a) N-1 contingency of 220 kV Salakati - Alipurduar I or II</li><li>b) High Loading of 220 kV Salakati - Alipurduar II or I</li></ul>	Rev- 0 to 7
		<ul><li>a) N-1 contingency of 400 kV Bongaigaon - Alipurduar I or II</li><li>b) High Loading of 220 kV Salakati - Alipurduar DC (200 MW)</li></ul>	Rev- 8
	<b>T</b> (	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit	
	Import	Low Voltage at Gazuwaka (East) Bus	Kev- 0 t0 8
SR	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	<ul> <li>a) N-1 of Pune Kharghar would overload 400 kV Pune-Kalwa.</li> <li>b) Overloading of Kolhapur (PG)-Kolhapur (MS) under outage of other circuit &amp; overloading of 400/220 kV NSPCL ICT under outage of the other ICT.</li> </ul>	Rev- 4 to 8

## 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
			b) Commissioning of 765kV Ajmer-Phagi D/C and 765kV G.Noida-Fatehabad S/C	
			a) Revised STOA margin due to decrease in LTA allocations by 5 MW (90 MW to 85 MW) from AWEK1L to UPPCL	WR-NR/NR Import
			b) Revised STOA margin due to increase in LTA allocations by 21 MW (19 MW to 40 MW) from AWEK1L to Chandigarh	wk-wk/wk/mport
2	28th June 2021	Whole month	Revised STOA margin due to increase in LTA allocations by 10 MW (65 MW to 75 MW) from AWEKTL-WR to KSEB	WR-SR/ SR Import
			Revised STOA margin due to increase in LTA allocation by 4 MW (62 MW to 68 MW) from BETAM to UP (NR)	SR-WR
			Revised STOA margin due to increase in LTA allocation from BETAM to UP (NR) & Odisha each by 4 MW (62 MW to 8MW)	SR Export
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
	28th July 2021		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) ARERL 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
5		Whole month	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
6	24th August, 2021	Whole Month	Revised TTC/ATC due to commissioning of 765kV Vindhyachal-Varanasi D/C	WR-NR, ER-NR & NR Import
			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
7	28th August, 2021	Whole Month	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
			1) Change in Load-Generation of NER	
8	29th August, 2021	Whole Month	2) One Unit BGTPP (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	NER Import/Export

ASSUN	IPTIONS IN BASECASE					
				Month : September 20	21	
S.No.	Name of State/Area		Load	Generation		
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)	
Ι	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	
Ш	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	
	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