					atch Centr lity for Dece			_				
Issue Date: 2	29th Novembe	er, 2021	Issu	e Time: 1700	0 hrs		R	evision No.	.5			
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				628	1372					
NR-WR*	1st December 2021 to 31st December 2021	06-18	2500	500	2000	1856	144					
		18-24				628	1372					
		00-06	19500 18550**	1000	18500 17550**	11433 10483**	7067					
	-		17800		16800	11822						
		06-09	16850**	1000	15850**	10872*	4978					
			17500		16500	11822						
WR-NR*	1st December 2021	09-18	16550**	1000	15550**	10872*	4678	-300	TTC/ATC revised due to shutdown of 765 kV Gwalior - Phagi - 1			
			17500		16500	11433						
		18-21	16550**	1000	15550**	10483**	5067	-300				
	ľ		19200		18200	11433						
		21-24	18250**	1000	17250**	10483**	6767	-300				
			19500		18500	11433						
		00-06	18550**	1000	17550**	10483**	7067					
	F	06-18	17800	1000	16800	11822	4978					
WR-NR*	2nd December 2021 to 31st	00-10	16850**	1000	15850**	10872*	4970					
	December 2021	18-21	17800	1000	16800	11433 10483**	5367					
	-		16850**		15850**							
		21-24	19500	1000	18500	11433 10483**	7067					
			18550**		17550**	10485.						
	1st December	00-06	2000	200	1800	93	1707					
NR-ER*	2021 to 31st December 2021	06-18 18-24	2000 2000	200	1800 1800	1525 93	275 1707					
		00-06	5900	400	5500	4333	1167					
ER-NR*	1st December	06-09	7600	400	7200	4333	2867		TTC/ATC revised due to shutdown of 765 kV Gwalior - Phagi - 1			
	2021	09-21	7450	400	7050	4333	2717	-150				
		21-24	5750	400	5350	4333	1017	-150				
		00-06	5900	400	5500	4333	1167					
ER-NR*	2nd December 2021 to 31st December 2021	06-21	7600	400	7200	4333	2867					
		21-24	5900	400	5500	4333	1167					
W3-ER	1st December 2021 to 31st December 2021	00-24						No limit is	s being specified.			
ER-W3	1st December 2021 to 31st December 2021	00-24						No limit is	s being specified.			
	1st December	00-05	10350		9700		5682					
WR-SR [^] I	2021 to 31st December 2021	05-22 22-24	10350 10350	650	9700 9700	4018	5682 5682					
SR-WR *	1st December 2021 to 31st December 2021	00-24	6600	400	6200	983	5217					

	National Load Despatch Centre Total Transfer Capability for December 2021											
Issue Date:	29th Novemb	er, 2021	Issu	e Time: 170	0 hrs	Revision No. 5						
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			
	1st December	00-06				2675	2775					
ER-SR [▲]	2021 to 31st	06-18	5800	350	5450	2760	2690					
	December 2021	18-24				2675	2775					
SR-ER *	1st December 2021 to 31st December 2021	00-24		No limit is being Specified.								
		00-02	1695		1635	455	1180					
		02-07	1695		1635	455	1180		TTC/ATC Changed due to			
	1st December	07-12	1695	60	1635	455	1180		1) Change in Load-Generation of NER			
ER-NER*	2021 to 31st December 2021	12-17	1695	60	1635	455	1180		2) One unit of Kameng HEP (4x150 MW) is under force outage			
	December 2021	17-21	1275		1215	455	760		Also, due to increase in peak demand of of NER, TRM increased from 45 MW to 60 MW.			
		21-24	1695		1635	455	1180					
		00-02	2915		2855	81	2774					
	1st December	02-07	2915		2855	81	2774		TTC/ATC Changed due to			
NER-ER*	2021 to 31st	07-12	2915	60	2855	81	2774		1) Change in Load-Generation of NER			
	December 2021	12-17	2915	00	2855	81	2774		 One unit of Kameng HEP (4x150 MW) is under force outage Also, 			
	2021	17-21	2800		2740	81	2659		due to increase in peak demand of of NER, TRM increased from 45 MW to 60 MW.			
		21-24	2915		2855	81	2774					

	National Load Despatch Centre Total Transfer Capability for December 2021										
Issue Date:	29th Novemb	er, 2021	Issu	e Time: 170	0 hrs		Revision No. 5				
Corridor	Date	Time Period (hrs)	Total Transfer Capability (TTC)	Reliability Margin	Available Transfer Capability (ATC)	Long Term Margin Available Changes Access (LTA)/ for Short Term in TTC Medium Term Open Access w.r.t. Open Access Last (MTOA) # Revision					
W3 zone Injection	2021 to 31st 00-24 INO limit is being specified (in case of any constraints appearing in the system, w 3 zone export would be revised accordingly)										
Note: TTC/	ATC of S1-(S2&	S3) corridor, Import	t of S3(Kerala)	, Import of Pu	injab and Imp	ort of DD & DNF	I is uploaded on N	LDC website	under Intra-Regional Section in Monthly ATC.		
* Fifty Perce	* 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.										
 S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala 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 BALCO, g) Sterlite (#1,3,4), h) NSPCL, i) Korba, j) Sipat, k) KSK Mahanadi, L)DB Power, m) KWPCL, n)Vandana Vidyut o)RKM, p)GMR Raikheda, q)Ind Barath and any other regional entity generator in Chhattisgarh 											
Fuel shortage	/New units being	MTOA approved by 0 commissionned the I dules exceed ATC, rea	LTA/MTOA uti	ilized would va	ry. RLDC/NL	DC would factor the			/laintenance/		
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 T	TC/ATC revision	s are uploaded on POS	SOCO/NLDC '	'News Update"	(Flasher) Sect	ion					
0	^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 d	rawl of Karnataka	a beyond 3800 MW, t	he voltages in E	Bengaluru area	are observed to	be critically low.	This issue may be ta	aken care of b	y Karnataka SLDC by taking appropiate measures.		
SR-WR TTC	ATC figures hav	ve been calculated con	nsidering 01 uni	t (800 MW) at	Kudgi TPS in	service. The figure	es are subject to cha	nge with chan	ge in generation at Kudgi TPS.		
WP NP/Imp	VP.NP/Import of NP TTC has been calculated considering generation at Pariocha TPS as 350 MW. TTC fourses are subject to change with significant change in generation at Pariocha 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.

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**	15766 14816**	8234		
		06-09	25400 24450**		24000 23050**	16155 15205**	7845		
NR	1st December 2021	09-17	24950 24000**	1400	23550 22600**	16155 15205**	7395	-450	TTC/ATC revised due to shutdown of 765 kV Gwalior - Phagi - 1
		17-18	24950 24000**		23550 22600**	16155 15205**	7395	-450	
		18-24	24950 24000**		23550 22600**	15766 14816**	7784	-450	
	2nd December 2021	00-06	25400 24450**	_	24000 23050**	15766 14816**	8234		
		06-09	25400 24450**		24000 23050**	16155 15205**	7845		
NR		09-17	25400 24450**	1400	24000 23050**	16155 15205**	7845		
		17-18 24450**		24000 23050**	16155 15205**	7845			
		18-24	25400 24450**	5400	24000 23050**	15766 14816**	8234		
		00-02	1195		1135	455	680		TTC/ATC Changed due to 1)
		02-07	1195		1135	455	680		Change in Load-Generation of NER
****	1st December	07-12	1195		1135	455	680		2) One unit of Kameng HEP (4x150
NER [*]	2021 to 31st December 2021	12-17	1195	60	1135	455	680		MW) is under force outage Also, due to increase in peak demand of of
	2021	17-21 21-24	775 1195		715	455	260 680		NER, TRM increased from 45 MW to 60 MW
117D*		21-24	1193		1135	455	080		
WR [*]									
	1st December	00-06	16150		15150	6693	8457		
SR ^{*#}	2021 to 31st December 2021	06-18	16150	1000	15150	6778	8372		
		18-24	16150		15150	6693	8457		

& 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.

December 21 to 31st ember 2021	00-06 06-18 18-24 00-02	4500	700	3800	721 3381	3079		
21 to 31st ember 2021	18-24	4500	700	3800	2291			
	-				5561	419		
-	00-02				721	3079		
Γ		3415		3355	81	3274		
	02-07	3415		3355	81	3274		TTC/ATC Changed due to
December 21 to 31st	07-12	3415	60	3355	81	3274		1) Change in Load-Generation of NER 2) One unit of Kameng HEP (4x150 MW) is under force outage Also, due to increase in peak demand of of NER, TRM increased from 45 MW to 60 MW
December 2021	12-17	3415		3355	81	3274		
	17-21	3300		3240	81	3159		
	21-24	3415		3355	81	3274		
December 21 to 31st ember 2021	00-24	5600	400	5200	1783	3417		
D 21 21	Pecember to 31st aber 2021	aber 2021 12-17 17-21 21-24 21-24 21-24 Accember 1 to 31st aber 2021 00-24 9%) Counter flow b 00	aber 2021 12-17 3415 17-21 3300 21-24 3415 21-24 3415 accember t to 31st aber 2021 00-24 5600 9%) Counter flow benefit on accembra 3415	aber 2021 12-17 3415 17-21 3300 21-24 3415 21-24 3415 aber 2021 00-24 5600 400 9%) Counter flow benefit on account of LTA	aber 2021 12-17 3415 3355 17-21 3300 3240 21-24 3415 3355 21-24 3415 3355 21-24 3415 3355 200 00-24 5600 400 5200 9%) Counter flow benefit on account of LTA/MTOA training 5200	to 31st nber 2021 12-17 3415 60 3355 81 17-21 3300 21-24 3415 3240 81 21-24 3415 3355 81 accember to 31st nber 2021 00-24 5600 400 5200 1783 9%) Counter flow benefit on account of LTA/MTOA transactions in the rest 1783 1783	to 31st nber 2021 60 3355 81 3274 12-17 3415 3355 81 3159 21-24 3415 3355 81 3159 21-24 3415 3355 81 3274 21-24 3415 3355 81 3274 Percember to 31st nber 2021 0.0-24 5600 400 5200 1783 3417	to 31st nber 2021 $12-17$ 3415 60 3355 81 3274 $17-21$ 3300 $21-24$ 3415 3240 81 3159 $21-24$ 3415 3355 81 3274 $21-24$ 3415 355 81 3274 $accemberto 31stnber 2021 00-24 5600 400 5200 1783 3417 9%) Counter flow benefit on account of LTA/MTOA transactions in the reverse direction would be considered. account = 100000000000000000000000000000000000$

Limiting	Constraints (Corridor wise)	
		Applicable Revisions
Corridor	Constraint	
WR-NR	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	Rev- 0 to 5
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0 to 5
ER-NR	Inter-regional flow pattern towards NR	Rev- 0 to 5
	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	
WR-SR	N-1 of one ckt of 765kV Angul-Srikakulam D/C will overload the other circuit	Rev- 0
and ER-	Low Voltage at Gazuwaka (East) Bus.	
SR	N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	Rev- 1 to 5
	Low Voltage at Gazuwaka (East) Bus.	Kev- 1 to 5
	a) N-1 contingency of one ckt of 400 kV Kolhapur-PG - Kolhapur-MS D/C will overload of the other ckt	Rev-0 to 5
SK-WK	b) N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs	
	a) N-1 contingency of 400 kV Bongaigaon - Azara line	D 0. 5
ER-NER	b) High Loading of 220 kV Salakati - BTPS D/C	Rev- 0 to 5
NED ED	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II	D 0 . 5
NER-ER	b) High Loading of 220 kV Salakati - Alipurduar II or I	Rev- 0 to 5
W3 zone		Rev- 0 to 5
Injection		10, 0105

Limiting Constraints (Simultaneous)

			Applicable Revisions	
	Import	Inter-regional flow pattern towards NR	Rev- 0 to 5	
NR	import	N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit	Rev- 0 to 5	
	Export	(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.	Rev-0 to 5	
	Export	(n-1) contingency of 400 kV Saranath-Pusauli	KCV- 0 10 5	
		a) N-1 contingency of 400 kV Bongaigaon - Killing line (0000 hrs to 2400 hrs)		
	Import	b) High Loading of 220 kV Balipara-Sonabil (0000 hrs to 0700 hrs)	Rev- 0 to 5	
NER		c) High Loading of 220 kV Salakati - BTPS D/C (0700 hrs to 1200 hrs)		
	Export	a) N-1 contingency of 220 kV Salakati - Alipurduar I or II	D 0 4 5	
		b) High Loading of 220 kV Salakati - Alipurduar II or I	Rev- 0 to 5	
		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	
	Import	Low Voltage at Gazuwaka (East) Bus		
SR		N-1 of one ICT of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	Rev-1 to 5	
		Low Voltage at Gazuwaka (East) Bus	Kev-1 to 5	
	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 5	
	Ехрогт	N-1 contingency of 500 MVA ICT at 400 kV Kolhapur-MS will overload the other 2x315 MVA ICTs	Nev- 0 to 5	

Г

11 11 D

National Load Despatch Centre Total Transfer Capability for December 2021

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
1	25th September 2021	Whole Month	TTC/ATC revised due to commissioning of HVDC Raigarh-Pugalur Pole-3	WR-SR/ER-SR/SR Import
			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
2	28th September 2021	Whole Month	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 fromHIRIYUR_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
			Revised STOA margin due to a) Operationalization of LTA OF 39 MW from PGLR_SREPL to UPPCL b) Operationalization of LTA OF 11 MW from Tuticorin-BETAMWIND to UPPCL c) Discontinuation of 50 MW MTOA Arunachal Pradesh to NPCL(UP)	WR-NR/ER-NR/NR Import
3	28th October 2021	Whole Month	Revised STOA margin due to operationalization of new LTA of 33 MW from AP41PL_BHDL to ODISHA	NR-ER/NR Export
			Revised STOA margin due to a) Operationalization of LTA of 24 MW from Spring energy to UP (NR) b) Operationalization of LTA of 5 MW from BETAM to UP (NR) c) Operationalization of LTA of 5 MW from BETAM to Odisha (ER) d) Operationalization of LTA of 21 MW from Hiriyur_Ostrokannada to Bihar (ER)	SR-WR/SR-ER/SR Export
			Revised STOA margin due to a) Operationalization of LTA OF 300 MW from RSBPL_FTG2 to Maharastra b) Operationalization of LTA OF 100 from ASunceEPL_BKN to Maharastra c) Operationalization of LTA OF 250 from MRPL to CSEB d) Operationalization of LTA OF 250 MW from ACSEPL_BHADLA to Maharastra e) Operationalization of LTA from AP41PL_BHDL to ODISHA	NR-ER/NR-WR/NR Export
4	28th November	Whole Month	Revised STOA margin due to operationalization of the LTA quantum of Tuticorin-BETAMWIND to UPPCL	WR-NR/ER-NR/NR Import
	2021		Revised STOA margin due to a) Operationalization of LTA OF 50 MW from Fatehgarh PS(ACME Solar) to Pondicherry b) Operationalization of LTA OF 90 MW from Fatehgarh-II Solar to Telangana	WR-SR/SR Import
			Revised STOA margin due to a) Operationalization of LTA from Spring Energy,Pugalur to UP b) Operationalization of LTA from HIRIYUR_OSTROKANNADA to Bihar	SR-WR/SR Export
5	29th November 2021	Whole Month	TTC/ATC Changed due to 1) Change in Load-Generation of NER 2) One unit of Kameng HEP (4x150 MW) is under force outage Also, due to increase in peak demand of of NER, TRM increased from 45 MW to 60 MW	ER-NER/NER Import/ NER-ER/ NER Export
		1st December 2021	TTC/ATC revised due to shutdown of 765 kV Gwalior - Phagi - 1	ER-NR/WR-NR/NR Import

	IPTIONS IN BASECASE			Month : December 202	21
S.No.	Name of State/Area		Load	Genera	
		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 7	Uttarakhand Himachal Pradesh	2124 1354	1886 1114	928 783	939 769
8	Jammu & Kashmir	2363	1962	884	883
0 9	Chandigarh	313	249	0	0
10	ISGS/IPPs	48	48	21958	20013
10	Total NR	62875	60100	50903	49019
	Total Nix	02010	00100	00000	43013
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
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 Arunachal Pradesh	140	95	118	118
1	Arunachai Pradesh Assam	140	95 1588	615	574
2	Manipur	207	86	105	103
4	Meghalaya	315	255	302	229
4 5	Mizoram	150	55	60	60
6	Nagaland	173	155	96	93
7	Tripura	435	260	300	300
8	ISGS/IPPs	435	0	2371	2370
	Total NER	3269	2494	3967	3847
		0200	2 707	0001	0011
	Total All India	186067	169164	194946	176088