				-	patch Cen ility for Jan				
ssue Date	: 28th October	2020	Issu	ie Time: 180	0 hrs		R	evision No	o. 1
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 January	00-06				195	1805		
NR-WR*	2021 to 31st	06-18	2500	500	2000	1281	719		
	January 2021	18-24	1			195	1805		
		00-06	18150 17200**	500	17650 16700**	10518 9568**	7132		 STOA margin has been revised du to the following:- Operationalization of 50 MW
WR-NR*	1st January 2021 to 31st January 2021	06-18	18150 17200**	500	17650 16700**	10997 10047**	6653		LTA from APL Ghadsisa (Wind) to Haryana • Revision in LTA quantum from Alfanar Bhuj (Wind) to Delhi DISCOMS from 153 MW to 179 MW
		18-24	18150 17200**	500	17650 16700**	10518 9568**	7132		• Revision in LTA quantum from SEISPPL_MP (Solar) to TDPPL, Delhi from 90 MW to 180 MW
	1st January	00-06	2000		1800	193	1607		
NR-ER*	2021 to 31st January 2021	06-18 18-24	2000 2000	200	1800 1800	303 193	1497 1607	-	
ER-NR*	1st January 2021 to 31st January 2021	00-24	6250	300	5950	4066	1884		
W3-ER	1st January 2021 to 31st January 2021	00-24				No limit i	s being specified.		
ER-W3	1st January 2021 to 31st January 2021	00-24				No limit i	s being specified.		
	1st January	00-05	8000		7500		3427	1050	TTC/ATC has been revised after
WR-SR [^]	2021 to 31st	05-22	8000	500	7500	4073	3427	1050	commissioning of HVDC Raigarh
SR-WR *	January 2021 1st January 2021 to 31st January 2021	00-24	8000 4600	400	7500 4200	550	3427 3650	1050	– Pugalur Pole -1
	January 2021								
		00.06				2673	2077	-50	
	1st January	00-06	5900	250	5650	2673 2758	2977 2892	-50 -50	TTC/ATC has been revised after commissioning of HVDC Raigarh
ER-SR [▲]		00-06 06-18 18-24	5900	250	5650	2673 2758 2673	2977 2892 2977	-50 -50 -50	TTC/ATC has been revised after commissioning of HVDC Raigarh – Pugalur Pole -1
ER-SR [▲]	1st January 2021 to 31st	06-18	5900	250	5650	2758 2673	2892	-50	commissioning of HVDC Raigarh
ER-SR [▲]	1st January 2021 to 31st January 2021 1st January 2021 to 31st	06-18 18-24	1230	250	5650	2758 2673	2892 2977	-50	commissioning of HVDC Raigarh
ER-SR [^] SR-ER *	1st January 2021 to 31st January 2021 1st January 2021 to 31st January 2021 1st January	06-18 18-24 00-24 00-02 02-07	1230 1230		1185 1185	2758 2673 No limit is 474 474	2892 2977 s being Specified. 711 711	-50	commissioning of HVDC Raigarh
ER-SR [▲]	1st January 2021 to 31st January 2021 1st January 2021 to 31st January 2021	06-18 18-24 00-24 00-02	1230	250	1185	2758 2673 No limit is 474	2892 2977 s being Specified. 711	-50	commissioning of HVDC Raigarh

Issue Date:	28th October	2020	Issu	e Time: 180	0 hrs		R	evision No. 1	
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
NER-ER*	1st January 2021 to 31st January 2021	00-02 02-07 07-12 12-17 17-23 23-24	2500 2500 2550 2540 2680 2500	45	2455 2455 2505 2495 2635 2455	42 42 42 42 42 42 42 42 42 42	2413 2413 2463 2453 2593 2413		
W3 zone Injection	1st January 2021 to 31st January 2021	00-24	No limit is be	eing specified ((In case of any	constraints appear	ring in the system,	W3 zone export	would be revised accordingly)
0		•	nefit on accou	nt of LTA/MT	OA transaction	ns in the reverse di	irection would be o	considered for ac	lvanced transactions (Bilateral
	ng 400 kV Rihan Rihand stage-II	-	-		-		ose of scheduling,	metering and ac	counting and 950 MW ex-bus
2) W3 compt a) Chattisgarl f) BALCO, gj and any other # The figure Fuel shortage	rises of the follow n Sell transaction,) Sterlite (#1,3,4), regional entity g is based on LTA	ving regiona , b) Jindal F , h) NSPCL enerator in /MTOA ap g commiss	al entities : Power Limited 2, i) Korba, j) S Chhattisgarh oproved by CT ionned the LT	(JPL) Stage-I & ipat, k) KSK M 'U and Allocat 'A/MTOA util	z Stage-II, c) Jin Iahanadi, L)DE ion figures as j ized would van		er Limited (JSPL), L, n)Vandana Vidy EA. In actual Opera would factor this si	yut o)RKM, p)G ation, due to Uni	MR Raikheda, q)Ind Barath ts being on Maintenance/
1) The TTC	TC Revision due value will be rev value willl be rev	vised to not	mal values aft			ailed in real time.			
Real Time T	TC/ATC revision	ns are uplo	aded on POSC	OCO/NLDC "N	News Update" ((Flasher) Section			
-					-	TTC of WR-SR an sures like SPS imp		has not been res	stricted due to the same
	rawl of Karnatak propiate measure	-	3800 MW, the	voltages in Be	engaluru area a	re observed to be c	critically low. This	issue may be ta	ken care of by Karnataka SLD
SR-WR TTC Kudgi TPS.	C/ATC figures ha	we been ca	lculated consid	dering 01 unit	(800 MW) at I	Kudgi TPS in servi	ice. The figures are	e subject to chan	ge with change in generation a

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			23600	14584	9016		STOA margin has been revised due to the following:-
			23450**	-	22650**	13634**			• Operationalization of 50 MW LTA from APL Ghadsisa (Wind) to Haryana
		06-09	24400 23450**	800	23600 22650**	15063 14113**	8537		
	1st January 2021 to 31st January 2021	09-17	24400		22650	15063			(wind) to Haryana
\mathbf{NR}^{*}			23450**		22650**	14113**	8537		• Revision in LTA quantum from Alfanar Bhuj (Wind) to
		17-18	24400		23600	15063	8537		Delhi DISCOMS from 153 MW to 179 MW
			23450**	_	22650**	14113**			
		18-24	24400		23600	14584	9016		• Revision in LTA quantum from SEISPPL_MP (Solar) to
			23450**		22650**	13634**	2010		TDPPL, Delhi from 90 MW to 180 MW
		00-02	1230		1185	474	711		
	1st January	02-07	1230		1185	474	711		
NER [*]	2021 to 31st	07-12	1330	45	1285	474	811		
IVLIN	January 2021	12-17	1300		1255	474	781		
	Junuary 2021	17-23	1110	-	1065	474	591		
		23-24	1230		1185	474	711		
WR [*]									
	1st January	00-06	13900		13150	6746	6404	1000	TTC/ATC has been revised
$\mathbf{SR}^{*\#}$	2021 to 31st	06-18	13900	750	13150	6831	6319	1000	after commissioning of HVDC
	January 2021	18-24	13900		13150	6746	6404	1000	Raigarh – Pugalur Pole -1

**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										
Corrido r	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 January	00-06	4500		3800	388	3412			
NR*	2021 to 31st	06-18	4300	700	3800	1584	2216			
	January 2021	18-24	4500		3800	388	3412			
	1.1	00-02	2500	45	2455	42	2413			
		02-07	2500		2455	42	2413			
NED¥	1st January	07-12	2550		2505	42	2463			
NER*	2021 to 31st	12-17	2540		2495	42	2453			
	January 2021	17-23	2680		2635	42	2593			
		23-24	2500		2455	42	2413			
WD*										
WR*										
SR*^	1st January 2021 to 31st January 2021	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.

<u>a :-</u>			Applicable Revisions	
Corridor		Constraint		
WR-NR	N-1 contingend	cy of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev- 0 to 1	
NR-ER	(n-1) continger	cy of 400 kV Saranath-Pusauli	Rev- 0 to 1	
ER-NR	 N-1 conting N-1 conting N-1 conting 	Rev- 0 to 1		
WR-SR	n-1 contingenc			
and ER- SR	n-1 contingenc	y of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt	Rev- 0	
	Low Voltage at	t Gazuwaka (East) Bus.		
WR-SR and ER-	N-1 of one ICT	C of 765/400 kV, 1500 MVA ICT at Nizamabad will overload the other ICT	Rev- 1	
SR	Low Voltage at	t Gazuwaka (East) Bus.		
SR-WR	a) N-1 continge b) N-1 continge	Rev- 0 to 1		
ER-NER	a) N-1 contib) High Lo	Rev- 0 to 1		
NER-ER	a) N-1 conti b) High Loa	Rev- 0 to 1		
W3 zone				
Injection			Rev- 0 to 1	
U	 constraints	(Simultaneous)		
Limiting	 g Constraints Import	 N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. N-1 contingency of 400 kV Kahalgaon-Banka line will overload the other ckt. N-1 contingency of 400kV MPL- Maithon line will overload the other ckt. 	Applicable Revisions Rev- 0 to 1	
U		 N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. N-1 contingency of 400 kV Kahalgaon-Banka line will overload the other ckt. N-1 contingency of 400kV MPL- Maithon line will overload the other ckt. N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT 	Applicable Revisions	
Limiting		 N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. N-1 contingency of 400 kV Kahalgaon-Banka line will overload the other ckt. N-1 contingency of 400kV MPL- Maithon line will overload the other ckt. N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. 	Applicable Revisions Rev- 0 to 1	
Limiting	Import	 N-1 contingency of 400 kV Mejia-Maithon A line will overload the other ckt. N-1 contingency of 400 kV Kahalgaon-Banka line will overload the other ckt. N-1 contingency of 400kV MPL- Maithon line will overload the other ckt. N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT 	Applicable Revisions Rev- 0 to 1 Rev- 0 to 1	
Limiting	Import Export	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.N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT(n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak.(n-1) contingency of 400 kV Saranath-Pusaulia) N-1 contingency of 400 kV Bongaigaon - Azara line	Applicable Revisions Rev- 0 to 1 Rev- 0 to 1 Rev- 0 to 1	
Limiting	Import Export 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. N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar- Killing Line n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt 	Applicable Revisions Rev- 0 to 1	
Limiting	Import Export Import Export	 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. N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT (n-1) contingency of 400kV Zerda-Bhinmal and (n-1) contingency of 220kV Badod-Modak. (n-1) contingency of 400 kV Saranath-Pusauli a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati - BTPS D/C a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar- Azara line contingency of 400 kV Silchar-Killing Line n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt 	Applicable Revisions Rev- 0 to 1 Rev- 0 to 1	

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
			TTC/ATC after commissioning of HVDC Raigarh – Pugalur Pole -1	WR-SR/ER- SR/Import of SR
1	28th Oct 2020	Whole Month	 STOA margin revised due to the following:- Operationalization of 50 MW LTA from APL Ghadsisa (Wind) to Haryana Revision in LTA quantum from Alfanar Bhuj (Wind) to Delhi DISCOMS from 153 MW to 179 MW Revision in LTA quantum from SEISPPL_MP (Solar) to TDPPL, Delhi from 90 MW to 180 MW 	WR-NR/Import of NR

National Load Despatch Centre Total Transfer Capability for January 2021

ASSUN	IPTIONS IN BASECASE					
				Month : January 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	7082	5944	3303	3219	
2	Haryana	6885	6321	1819	1819	
3	Rajasthan	11247	11020	7767	7739	
4	Delhi	5022	3487	672	672	
5	Uttar Pradesh	14329	15067	8642	8612	
6	Uttarakhand	1773	1733	886	604	
7	Himachal Pradesh	1015	861	190	139	
8	Jammu & Kashmir	1494	1461	109	109	
9	Chandigarh	251	159	0	0	
10	ISGS/IPPs	19	19	14286	11153	
	Total NR	49117	46071	37675	34067	
	EASTERN REGION					
1	Bihar	4849	3097	352	344	
2	Jharkhand	1502	1034	378	353	
3	Damodar Valley Corporation	2755	2556	4353	3476	
4	Orissa	3582	2895	2946	2400	
5	West Bengal	6439	4457	4879	3510	
6	Sikkim	112	45	0	0	
7	Bhutan	162	168	270	214	
8	ISGS/IPPs	-162	-168	12566	8973	
	Total ER	19239	14083	25743	19269	
	WESTERN REGION					
1	Maharashtra	18778	13739	12230	9486	
2	Gujarat	15979	11721	11083	7999	
3	Madhya Pradesh	15354	7101	7911	4031	
4	Chattisgarh	4046	2689	2384	1953	
5	Daman and Diu	339	292	0	0	
6	Dadra and Nagar Haveli	814	774	0	0	
7	Goa-WR	625	390	0	0	
8	ISGS/IPPs	4017	3424	41810	30230	
-	Total WR	59952	40130	75417	53699	

S.No.	Name of State/Area		Load	Gener	ation
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
IV	SOUTHERN REGION				
1	Andhra Pradesh	9090	5024	6476	5986
2	Telangana	9542	10582	4884	4648
3	Karnataka	10315	5023	8110	3639
4	Tamil Nadu	14023	10332	6537	5162
5	Kerala	3838	2287	1665	95
6	Pondy	303	309	0	0
7	Goa-SR	47	48	0	0
8	ISGS/IPPs	0	0	13941	10412
	Total SR	47158	33605	41613	29942
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	105	66	12	8
2	Assam	1192	861	288	243
3	Manipur	224	109	0	0
4	Meghalaya	322	266	230	189
5	Mizoram	117	67	48	28
6	Nagaland	121	94	8	8
7	Tripura	225	135	75	75
8	ISGS/IPPs	139	85	2580	2126
	Total NER	2444	1683	3241	2676
	Total All India	177771	135487	183689	139653