Issue Date: 11th May 2020 Issue Time: 1200 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		
		00-06				195	1805				
NR-WR*	1st May 2020 to 31st May 2020	06-18	2500	500	2000	250	1750				
		18-24				195	1805				
		00-06	17200	500	16700	10219	6481				
			16250**		15750**	9269**					
		06-0830	17200 16250**	500	16700 15750**	10608 9658**	6092				
	1st May 2020	0020 10	15200	500	14700	10608	4002				
		0830-18	14250**	500	13750**	9658**	4092				
WR-NR*				18-24	15200 14250**	500	14700 13750**	10219 9269**	4481		
			17200		16700	10219					
			00-06	16250**	500	15750**	9269**	6481			
	2nd May 2020 to 31st May	2nd May 2020 to 31st May	06-18	17200	500	16700	10608	6092			
	2020	18-24	16250** 17200		15750** 16700	9658** 10219					
			16250**	500	15750**	9269**	6481				
	1st May 2020 to	00-06	2000		1800	193	1607				
NR-ER*	31st May 2020	06-18 18-24	2000 2000	200	1800 1800	303 193	1497 1607				
		00-0830	5250	300	4950	4050	900				
ER-NR*	1st May 2020	0830-24	4650	300	4350	4050	300				
	2nd May 2020 to 31st May 2020	00-24	5250	300	4950	4050	900				
W3-ER	1st May 2020 to 31st May 2020	00-24				No limit i	s being specified.				
ER-W3	1st May 2020 to 31st May 2020	00-24		No limit is being specified.							
	1st May 2020 to	00-05	6950		6450		2415				
WR-SR	31st May 2020 to 31st May 2020	05-22 22-24	6950 6950	500	6450 6450	4035	2415 2415				
SR-WR *	1st May 2020 to 31st May 2020	00-24				No limit i	s being Specified.				
		00-06				2663	2737				
	1st May 2020 to				- 100						
ER-SR	31st May 2020 to	06-18	5650	250	5400	2748	2652				

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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
SR-ER*	1st May 2020 to 31st May 2020	00-24				No limit i	s being Specified.		
	<u> </u>	00-07	1340		1295	289	1006		
	1st May 2020 to	07-18	1340		1295	334	961		†
	11th May 2020	18-22	1000	45	955	289	666		†
	11th May 2020	22-24	1340		1295	289	1006		†
		00-07	1340	45	1295	289	1006		-
	12th May 2020	07-08	1340		1295	334	961		
ER-NER	to 13th May 2020	08-18	1100		1055	334	721	-240	TTC/ATC revised due to planned
		18-22	750		705	289	416	-250	shutdown of 400 kV BYRNIHAT-
		22-24	1100		1055	289	766	-240	BONGAIGAON
	441.34 2020	00-07	1340	45	1295	289	1006		
	14th May 2020	07-18	1340		1295	334	961		1
	to 31st May	18-22	1000		955	289	666		1
	2020	22-24	1340		1295	289	1006		1
	1-+ M 2020 +-	00-18	2120		2075		2075		1
	1st May 2020 to 11th May 2020	18-22	2550	45	2505	0	2505		
	11th May 2020	22-24	2120		2075		2075		1
	12th May 2020	00-08	2120		2075		2075		
NER-ER	to 13th May	08-18	1550	45	1505	0	1505	-570	TTC/ATC revised due to planned
NEK-EK	2020	18-22	2090	45	2045	U	2045	-460	shutdown of 400 kV BYRNIHAT-
	2020	22-24	1550		1505		1505	-570	BONGAIGAON
	14th May 2020	00-18	2120		2075		2075		
	to 31st May	18-22	2550	45	2505	0	2505		
	2020	22-24	2120		2075		2075		

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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
W3 zone Injection	1st May 2020 to 31st May 2020	00-24	No limit is be	No limit is being specified (In case of any constraints appearing in the system, W3 zone export would be revised accordingly)					

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) KWPCL, n)Vandana Vidyut 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 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.

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.

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.

Simultane	ous Import Capa	bility							
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	22450 21500**		21650 20700**	14269 13319**	7381		
		06-0830	22450 21500**		21650 20700**	14658 13708**	6992		
	1st May 2020	0830-18	19850	800	19050	14658	4392		
NR		18-24	18900** 19850		18100** 19050	13708** 14269	4781		
	2nd May 2020 to 31st May 2020	00-06	18900** 22450 21500**		18100** 21650 20700**	13319** 14269 13319**	7381		
		06-18	22450 21500**	800	21650	14658	6992		
		18-24	22450 21500**		21650	14269	7381		
	1st May 2020 to		1340 1340	45	1295 1295	289 334	1006 961		
	11th May 2020	18-22 22-24 00-07	1000 1340 1340		955 1295 1295	289 289 289	666 1006 1006		
NER	12th May 2020 to 13th May	07-08 08-18	1340 1100	45	1295 1055	334 334	961 721	-240	TTC/ATC revised due to
	2020	18-22 22-24 00-07	750 1100 1340		705 1055 1295	289 289 289	416 766 1006	-250 -240	planned shutdown of 400 kV BYRNIHAT-BONGAIGAON
	14th May 2020 to 31st May 2020	07-18 18-22 22-24	1340 1000 1340	45	1295 955 1295	334 289 289	961 666 1006		
WR									
		00-06	12600		11850	6698	5152		
SR	1st May 2020 to 31st May 2020	06-18	12600	750	11850	6783	5067		
* Eifter Done	20mt (50.0/.) Cove	18-24	12600	wat of LTAA	11850	6698	5152	d be senside	and for advanced transportions

^{*} 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-NRATC = 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.

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 May 2020 to	00-06	4500		3800	388	3412		
NR*	31st May 2020 to	06-18	4300	700	3800	553	3247		
	31st Way 2020	18-24	4500		3800	388	3412		
	1st May 2020 to 11th May 2020	00-18	2120	45	2075		2075		
		18-22	2550		2505	0	2505		
		22-24	2120		2075		2075		
	12th May 2020	00-08	2120	45	2075	0	2075		
NER	to 13th May	08-18	1550		1505		1505	-570	TTC/ATC revised due to
NEK	2020	18-22	2090		2045		2045	-460	planned shutdown of 400 kV
	2020	22-24	1550		1505		1505	-570	BYRNIHAT-BONGAIGAON
	14th May 2020	00-18	2120		2075		2075		
	to 31st May	18-22	2550	45	2505	0	2505		
	2020	22-24	2120		2075		2075		
WR									
SR *	1st May 2020 to 31st May 2020	00-24				No limit is be	ing Specified.		

^{*} 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

		Applicable Revisions
Corridor	Constraint	
WR-NR	n-1 contingency of 765 kV Aligarh - Jhatikara Line will lead to overlaoding of 765 kV Aligarh - Gr. Noida Line	Rev- 0 to 2
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev- 3to 5
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0 to 5
ER-NR	 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. 	Rev- 0 to 5
	n-1 contingency of 2x315 MVA, 400/220 kV ICTs at Mardam will lead to overloading of the second ICT	
	n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT	Rev- 0
WR-SR	Low Voltage at Gazuwaka (East) Bus.	
and ER-	n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt	
SK	n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt	Rev- 1 to 5
	Low Voltage at Gazuwaka (East) Bus.	
	Overloading of 400/220 kV ICT - I at Jeypore in case of tripping of 400 kV Jeypore - Indravati line	Rev- 3 to 5
ER-NER	 a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati-BTPS Double circuit (200 MW) c) High Loading of 220/132 kV,160 MVA ICT at BTPS 	Rev- 0 to 5
NER-ER	 a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar-Killing Line c) High Loading of Meghalaya Internal System 	Rev- 0 to 5
W3 zone Injection		Rev- 0 to 5

Limiting Constraints (Simultaneous)

			Applicable Revisions
		 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. 	Rev- 0 to 5
NR	Import	n-1 contingency of 765 kV Aligarh - Jhatikara Line will lead to overlaoding of 765 kV Aligarh - Gr. Noida Line	Rev- 0 to 2
		N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev- 3 to 5
	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 5
NER	Import	 a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Salakati-BTPS Double circuit (200 MW) c) High Loading of 220/132 kV,160 MVA ICT at BTPS 	Rev- 0 to 5
NEK	Export	 a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar-Killing Line c) High Loading of Meghalaya Internal System 	Rev- 0 to 5
SR	Import	n-1 contingency of 2x315 MVA, 400/220 kV ICTs at Mardam will lead to overloading of the second ICT n-1 contingency of 2x1500 MVA, 765/400 kV ICTs at Vemagiri (PG) will lead to overloading of the second ICT Low Voltage at Gazuwaka (East) Bus.	Rev- 0
	_	n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt 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	Rev- 1 to 5
		Overloading of 400/220 kV ICT - I at Jeypore in case of tripping of 400 kV Jeypore - Indravati line	Rev- 3 to 5

Revision No	Date of Revision	Period of Revision	Reason for Revision/Comment	Corridor Affected
1	31st January 2020	Whole Month	Whole Month Vemagiri - C'peta D/C	
2	29th March 2020	Whole Month	1) Revision in STOA margin due to the following:- a) Operationalization of 50 MW LTA from AGEMPL (Wind, Bhuj) to Punjab b) Completion of 108 MW MTOA from SKS to NPCL (UP) 2) Revision in TTC/ATC due to change in inter-regional flow pattern towards NR.	WR-NR/NR Import
			Revision in TTC/ATC after after commissioning of 400 kV Aligarh (PG) - Prithala - Kadarpur - Sohna Road link and 765 kV Bikaner - Moga D/C	WR-NR/Import of NR
3	29th April 2020	Whole Month	Reduction in TTC/ATC due to extension of forced outage of 400/220 KV ICT-II at Jeypore	ER-SR/Import of SR
			Revision in TTC/ATC due to change in Load - Generation Balance in NER	ER-NER/NER- ER/Import and Export of NER
4	30th April	1st May	TTC/ATC revised due to planned shutdown of 765 kV Orai - Aligarh ckt 2	WR-NR/ER- NR/NR Import
5	11th May	12th to 13th May 2020	TTC/ATC revised due to planned shutdown of 400 kV BYRNIHAT-BONGAIGAON	ER-NER/NER- ER/Import and Export of NER

ASSUM	MPTIONS IN BASECASE				
				Month : May'2020	
S.No.	Name of State/Area		Load	Genera	ntion
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
I	NORTHERN REGION				
1	Punjab	8945	7996	4345	4345
2	Haryana	7078	7080	1482	1482
3	Rajasthan	11096	11171	7310	7310
4	Delhi	5399	5646	675	675
5	Uttar Pradesh	16353	15141	8159	8163
6	Uttarakhand	1994	1654	1002	904
7	Himachal Pradesh	1587	1214	503	598
8	Jammu & Kashmir	2835	2230	1114	1113
9	Chandigarh	313	247	0	0
10	ISGS/IPPs	26	26	19268	15677
	Total NR	55626	52406	43858	40268
Ш	EASTERN REGION				
1	Bihar	4752	3257	198	180
2	Jharkhand	1312	1000	425	387
3	Damodar Valley Corporation	3064	2872	4721	3825
4	Orissa	4372	2915	3434	2012
5	West Bengal	8398	6426	5454	4242
6	Sikkim	226	297	0	0
7	Bhutan	178	170	596	621
8	ISGS/IPPs	-178	-170	12961	10999
	Total ER	22123	16767	27789	22266
III	WESTERN REGION				
1	Maharashtra	20197	17639	16056	14338
2	Gujarat	16505	15341	10959	11482
3	Madhya Pradesh	8999	8245	3359	4870
4	Chattisgarh	4685	4146	2038	2130
5	Daman and Diu	345	298	0	0
6	Dadra and Nagar Haveli	872	745	0	0
7	Goa-WR	608	419	0	0
8	ISGS/IPPs	5376	4560	41709	37155
	Total WR	57588	51393	74120	69976

S.No.	Name of State/Area		Load	Genei	ation
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)
IV	SOUTHERN REGION				
1	Andhra Pradesh	9263	5967	6407	4555
2	Telangana	8387	8052	4377	4644
3	Karnataka	10291	8660	7689	5927
4	Tamil Nadu	16248	14749	7750	6247
5	Kerala	4248	2932	1703	554
6	Pondy	327	276	0	0
7	Goa-SR	64	54	0	0
8	ISGS/IPPs	0	0	17514	12179
	Total SR	48827	40689	45440	34107
V	NORTH-EASTERN REGION				
1	Arunachal Pradesh	139	65	8	8
2	Assam	1769	1193	286	244
3	Manipur	187	86	0	0
4	Meghalaya	277	205	215	154
5	Mizoram	103	68	20	8
6	Nagaland	130	85	12	0
7	Tripura	221	137	75	77
8	ISGS/IPPs	133	84	2321	1892
	Total NER	2959	1924	2937	2383
	Total All India	187123	163179	194144	168999