National Load Despatch Centre Total Transfer Capability for August 2020

Issue Date	: 28th May 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
	1	00-06				195	1805		Revision in STOA margin due to
NR-WR*	1st August 2020 to 31st August	06-18	2500	500	2000	1223	777		operationalization of MTOA from Rajasthan Solar to Maharashtra and
	2020	18-24	1			195	1805		MP
		00-06	17200	500	16700	10219	6481		
	1st August 2020		16250** 17200		15750** 16700	9269** 10608			
WR-NR*	to 31st August 2020	06-18	16250** 17200	500	15750** 16700	9658** 10219	6092		
		18-24	16250**	500	15750**	9269**	6481		
	1st August 2020	00-06	2000		1800	193	1607		
NR-ER*	to 31st August 2020	06-18	2000	200	1800	303	1497	-	
ER-NR*	1st August 2020 to 31st August 2020	18-24 00-24	2000 5250	300	1800 4950	193 4050	1607 900		
W3-ER	1st August 2020 to 31st August 2020	00-24				No limit i	s being specified.		
ER-W3	1st August 2020 to 31st August 2020	00-24	No limit is being specified.						
	1st August 2020	00-05	6950		6450		2415		
WR-SR [^]	to 31st August 2020	05-22 22-24	6950 6950	500	6450 6450	4035	2415 2415		
SR-WR *	1st August 2020 to 31st August 2020	00-24	4600	400	4200	550	3650		
	1st August 2020	00-06				2663	3037		
ER-SR [▲]	to 31st August	06-18	5950	250	5700	2748	2952		
	2020	18-24				2663	3037		
SR-ER *	1st August 2020 to 31st August 2020	00-24				No limit is	s being Specified.	·	•
		00-02	1020		975	289	686		
	1st August 2020	02-07	1020		975	289	686		
ER-NER*	to 31st August	07-12 12-17	1080 1060	45	1035 1015	334 334	701 681		
	2020	17-23	1000		955	289	666	-	
		23-24	1020		975	289	686		
		00-02	2400 2400		2355 2355		2355 2355		
NED ED*	1st August 2020	07-12	2450	45	2405	0	2405		
NER-ER*	to 31st August 2020	12-17	2341	43	2296	0	2296		
NEK-EK*									
NEK-EK*	2020	17-23 23-24	2621 2400		2576 2355		2576 2355		

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			Total Tran	sier Capabi	nty for Aug	ust 2020				
Issue Date	: 28th May 2020	0	Issu	e Time: 180	0 hrs		R	Revision 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	
W3 zone Injection	1st August 2020 to 31st August 2020	00-24								
	ATC of S1-(S2&S Ionthly ATC.	83) corrido	or, Import of S	S3(Kerala), Ir	nport of Punja	ab and Import of]	DD & DNH is up	loaded on NLDC	C website under Intra-Regional	
* Fifty Perce First Come I	. ,	er flow ben	efit on account	of LTA/MTO	A transactions	in the reverse direc	tion would be con	sidered for advan	ced transactions (Bilateral &	
	ng 400 kV Rihand 1 Rihand stage-III.						of scheduling, me	etering and accour	nting and 950 MW ex-bus	
a) Chattisgar f) BALCO, g and any other # The figure Fuel shortag In the eventu In case of T 1) The TTC 2) The TTC 2) The TTC Real Time T ^Though 2X that this asput ^In case of d taking approf SR-WR TTC Kudgi TPS.) Sterlite (#1,3,4), 1 r regional entity ger is based on LTA// e/New units being hality that net sche rC Revision due to value will be revi value will be revi value will be revi atto: value will b	 b) Jindal Po h) NSPCL, herator in C MTOA app commissie dules exceed b any shutch sed to norm sed to norm s are upload any AP S b beyond 38 b been calco 	wer Limited (JJ i) Korba, j) Sip Chhattisgarh proved by CTU onned the LTA ed ATC, real ti down : nal values after nal values if th ded on POSOC s at Maradam a LDC through a 300 MW, the v	at, k) KSK Mal at, k) KSK Mal and Allocatio A/MTOA utiliz me curtailmen restoration of e shutdown is CO/NLDC "Ne are N-1 non-co ppropiate mea oltages in Ben ering 01 unit (8	n figures as per ed would vary. ts might be eff shutdown. not being avail ws Update" (Fl mpliant, the TT sures like SPS galuru area are	r RPCs RTA/REA. RLDC/NLDC wor ected by RLDCs/N led in real time. lasher) Section IC of WR-SR and I implemetation. observed to be crit	n)Vandana Vidyut o In actual Operatio Ild factor this situa LDC. ER-SR corridor ha ically low. This iss	5)RKM, p)GMR R on, due to Units be ation on day-ahead s not been restrict sue may be taken ibject to change w	aikheda, q)Ind Barath eing on Maintenance/	

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	800	21650	14269	7381		
		06-09	21500** 22450 21500**		20700** 21650 20700**	13319** 14658 13708**	6992		
NR [*]	1st August 2020 to 31st August 2020	09-17	22450 21500**		21650 20700**	14658 13708**	6992		
		17-18	22450 21500**		21650 20700**	14658 13708**	6992		
		18-24	22450 21500**		21650 20700**	14269 13319**	7381		
		00-02	1020		975	289	686		
	1st August 2020	02-07	1020		975	289	686		
NER [*]	to 31st August	07-12	1080	45	1035	334	701		
TICK	2020	12-17	1060	<u>.</u> т.	1015	334	681		
	2020	17-23	1000		955	289	666		
		23-24	1020		975	289	686		
WR [*]									
	1 at August 2020	00-06	12900		12150	6698	5452		
SR ^{*#}	1st August 2020 to 31st August	00-06	12900	750	12150	6783	5367		
SI	2020	18-24	12900	750	12150	6698	5452		

* 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-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.

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 August 2020	00-06	4500	700	3800	388	3412		Revision in STOA margin due to operationalization
NR*	to 31st August 2020	06-18			3800	1526	2274		of MTOA from Rajasthan Solar to Maharashtra and
	2020	18-24	4500		3800	388	3412		MP
	1st August 2020 to 31st August 2020	00-02	2400	2400 2450 2341 45	2355		2355		
		02-07	2400		2355		2355		
NER*		07-12	2450		2405	0	2405		
INER.		12-17	2341		2296		2296		
	2020	17-23	2621		2576		2576		
		23-24	2400		2355		2355		
WR*									
WK									
SR*^	to 31st August 2020	00-24	3700	400	3300	1150	2150		

^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	
WR-NR	N-1 contingency of 1000 MVA, 765/400 kV ICT at Orai will overload the other ICT	Rev- 0 to 1
NR-ER	(n-1) contingency of 400 kV Saranath-Pusauli	Rev- 0 to 1
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 1
WR-SR	n-1 contingency of one ckt of 765 kV Wardha - Nizamabad D/C will overload of the other ckt	
and ER- SR	n-1 contingency of one ckt of 765 kV Angul - Srikakulam D/C will overload of the other ckt	Rev- 0 to 1
	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 1
ER-NER	 a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Samaguri-Sonabil S/C (200 MW) 	Rev- 0 to 1
NER-ER	 a) N-1 contingency of 400 kV Silchar- Azara line b) High Loading of 400 kV Silchar-Killing Line 	Rev- 0 to 1
W3 zone Injection		Rev- 0 to 1
Limiting	Constraints (Simultaneous)	
		Applicable Devision

			Applicable Revisions
NR	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. 	Rev- 0 to 1
	Export	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	Rev- 0 to 1
NER	Import	 a) N-1 contingency of 400 kV Bongaigaon - Azara line b) High Loading of 220 kV Samaguri-Sonabil S/C (200 MW) 	Rev- 0 to 1
NER	Export	a) N-1 contingency of 400 kV Silchar- Azara lineb) High Loading of 400 kV Silchar-Killing Line	Rev- 0 to 1
SR	Import	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- 0 to 1
	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 1

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Revision	Date of	Period of	Reason for Revision/Comment	Corridor
No	Revision	Revision		Affected
1	28th May 2020	Whole Month	Revision in STOA margin due to operationalization of MTOA from Rajasthan Solar to Maharashtra and MP	NR-WR/Export of NR

ONS IN BASECASE						
			Month : August'2020			
Name of State/Area		Load	Generation			
	Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)		
NORTHERN REGION						
Punjab	10228	9530	4580	4618		
Haryana	9146	9428	2953	2953		
Rajasthan	10205	11428	6168	6168		
Delhi	5674	6558	753	753		
Uttar Pradesh	18102	15529	9903	9908		
Uttarakhand	2144	1981	1060	1015		
Himachal Pradesh	1562	1558	859	854		
Jammu & Kashmir	3049	1686	1075	1017		
Chandigarh	375	303	0	0		
ISGS/IPPs	23	23	20932	19626		
Total NR	60510	58023	48283	46912		
EASTERN REGION						
Bihar	5380	4412	99	110		
Jharkhand	1637	1024	425	421		
nodar Valley Corporation	3028	2466	4980	4180		
Orissa	4823	3995	3952	2615		
West Bengal	8541	7006	5659	4956		
Sikkim	114	43	0	0		
Bhutan	171	168	1474	1444		
ISGS/IPPs	-171	-168	11907	10404		
Total ER	23523	18947	28495	24128		
WESTERN REGION						
Maharashtra	16912	14197	12996	9886		
Gujarat	13683	8433	10325	6208		
Madhya Pradesh	8253	5455	4058	2863		
Chattisgarh	3890	3168	2239	2003		
Daman and Diu	297	153	0	0		
				0		
				0		
				25451		
				46638		
	a and Nagar Haveli Goa-WR ISGS/IPPs Total WR	a and Nagar Haveli 781 Goa-WR 513 ISGS/IPPs 4640	a and Nagar Haveli 781 550 Goa-WR 513 326 ISGS/IPPs 4640 3609	a and Nagar Haveli 781 550 0 Goa-WR 513 326 0 ISGS/IPPs 4640 3609 33397		

S.No.	Name of State/Area		Load	Generation		
		Peak Load (MW)	Off Peak Load (MW)	Peak (MW)	Off Peak (MW)	
IV	SOUTHERN REGION					
1	Andhra Pradesh	9316	6695	6310	5934	
2	Telangana	9937	9870	5913	4863	
3	Karnataka	8351	4343	6606	3257	
4	Tamil Nadu	14738	12867	8660	7460	
5	Kerala	3683	2236	1649	423	
6	Pondy	298	246	0	0	
7	Goa-SR	58	48	0	0	
8	ISGS/IPPs	0	0	14970	12179	
	Total SR	46381	36305	44109	34117	
V	NORTH-EASTERN REGION					
1	Arunachal Pradesh	111	70	18	16	
2	Assam	1707	1346	295	245	
3	Manipur	183	82	0	0	
4	Meghalaya	269	198	237	142	
5	Mizoram	99	66	68	42	
6	Nagaland	120	75	22	16	
7	Tripura	259	154	76	75	
8	ISGS/IPPs	159	81	2385	2242	
	Total NER	2907	2073	3101	2778	
	Total All India	182131	151157	187003	154572	