

National Load Despatch Centre, New Delhi
Cross Border Transfer Capability for February 2022

Issue Date: 17th February 2022

Issue Time: 1130 hrs

Revision No. 4

Cross-Border Corridor	Date	Time Period in IST (hrs)	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	Limiting constraint	Comments	
India (ER ISTS) to Bangladesh *	1st February 2022 to 10th February 2022	00:00-17:00	1000	0	1000	760	240		Limited to HVDC Bherama-Behrampore rated capacity		
		17:00-21:00	1000		1000	760	240				
		21:00-24:00	1000		1000	760	240				
	11th February 2022	00:00-06:30	1000	0	1000	760	240		Limited to HVDC Bherama-Behrampore rated capacity		
		06:30-21:00	0		0	760	0				
		21:00-24:00	0		0	760	0				
	12th February 2022 to 17th February 2022	00:00-17:00	1000	0	1000	760	240		Limited to HVDC Bherama-Behrampore rated capacity		
		17:00-21:00	1000		1000	760	240				
		21:00-24:00	1000		1000	760	240				
	18th February 2022	00:00-06:30	1000	0	1000	760	240		Limited to HVDC Bherama-Behrampore rated capacity	Revised Due to SD of Berhamara Pole 2	
		06:30-21:00	500		500	760	0	-500			
		21:00-24:00	500		500	760	0	-500			
	19th February 2022 to 28th February 2022	00:00-17:00	1000	0	1000	760	240		Limited to HVDC Bherama-Behrampore rated capacity		
		17:00-21:00	1000		1000	760	240				
		21:00-24:00	1000		1000	760	240				
	1st February 2022 to 10th February 2022	1st February 2022 to 10th February 2022	00:00-17:00	1000	0	1000	0	1000		Limited to HVDC Bherama-Behrampore rated capacity	
			17:00-21:00	1000		1000	0	1000			
			21:00-24:00	1000		1000	0	1000			
11th February 2022		00:00-06:30	1000	0	1000	0	1000		Limited to HVDC Bherama-Behrampore rated capacity		
		06:30-21:00	0		0	0	0				
		21:00-24:00	0		0	0	0				

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Bangladesh to India (ER ISTS) #	12th February 2022 to 17th February 2022	00:00-17:00	1000	0	1000	0	1000		Limited to HVDC Bherama-Behrampore rated capacity	
		17:00-21:00	1000		1000	0	1000			
		21:00-24:00	1000		1000	0	1000			
	18th February 2022	00:00-06:30	1000	0	1000	0	1000		Limited to HVDC Bherama-Behrampore rated capacity	Revised Due to SD of Berhamara Pole 2
		06:30-21:00	500		500	0	500	-500		
		21:00-24:00	500		500	0	500	-500		
	19th February 2022 to 28th February 2022	00:00-17:00	1000	0	1000	0	1000		Limited to HVDC Bherama-Behrampore rated capacity	
		17:00-21:00	1000		1000	0	1000			
		21:00-24:00	1000		1000	0	1000			
India (Tripura) to Bangladesh #	1st February 2022 to 28th February 2022	00:00-17:00	200	-	200	0	200		Limited to terminal bay rating at 132 kV Surjamaninagar (TSCL)	
		17:00-21:00	200		200	0	200			
		21:00-24:00	200		200	0	200			
Bangladesh to India (Tripura) #	1st February 2022 to 28th February 2022	00:00-17:00	200	-	200	0	200		Limited to terminal bay rating at 132 kV Surjamaninagar (TSCL)	
		17:00-21:00	200		200	0	200			
		21:00-24:00	200		200	0	200			
India (ER ISTS) to Bhutan *	1st February 2022 to 28th February 2022	00:00-17:00	550	10	540	0	540		Outage of 400 kV Binaguri-Malbase S/C will over load 220 kV Birpara-Malbase S/C	
		17:00-21:00	550		540	0	540			
		21:00-24:00	550		540	0	540			
Bhutan to India (ER ISTS) *	1st February 2022 to 28th February 2022	00:00-17:00	2380	50	2330	2196	134		N-1 of Chukha-Birpara will overload the other circuit	
		17:00-21:00	2380		2330	2196	134			
		21:00-24:00	2380		2330	2196	134			

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India (NER ISTS) to Bhutan *	1st February 2022 to 28th February 2022	00:00-17:00	158	-	158	0	158		Limited to overloading limit of 132 kV Salaktai-Gelephu & 132 kV Rangia-Motonga	
		17:00-21:00	158		158	0	158			
		21:00-24:00	158		158	0	158			
Bhutan to India (NER ISTS) *	1st February 2022 to 28th February 2022	00:00-17:00	158	-	158	0	158		Limited to overloading limit of 132 kV Salaktai-Gelephu & 132 kV Rangia-Motonga	
		17:00-21:00	158		158	0	158			
		21:00-24:00	158		158	0	158			
India (Bihar) to Nepal ##	1st February 2022 to 28th February 2022	00:00-17:00	395	7.9	387.1	0	387.1		(i) Constraints at 220/132kv, 2x160MVA ICTs at Kishanganj New (ii) Constraints at 132KV D/C Supaul-Madhepura & 132KV D/C Supaul-Laukahi T/L (iii) Cconstraint at 132kv Ramnagar-Surajpura T/L (iv) Constraint at 132kv D/C Raxaul-DMTCL (Motihari) T/L	
		17:00-21:00	395		387.1	0	387.1			
		21:00-24:00	395		387.1	0	387.1			
India (NR ISTS) to Nepal *	1st February 2022 to 28th February 2022	00:00-17:00	70	-	70	16	54		Limited to ampacity of 132 kV Tanakpur-Mahendranagar S/C line	
		17:00-21:00	70		70	16	54			
		21:00-24:00	70		70	16	54			
Nepal to India (NR ISTS) #	1st February 2022 to 28th February 2022	00:00-17:00	70	0	70	0	70		Limited to ampacity of 132 kV Tanakpur-Mahendranagar S/C line	
		17:00-21:00	70		70	0	70			
		21:00-24:00	70		70	0	70			
India (ER ISTS) to Nepal *	1st February 2022 to 09th February 2022	00:00-17:00	350	0	350	0	350		Limited on account of transformation capacity at 220/132 kV Dhalkebar S/s	
		17:00-21:00	350		350	0	350			
		21:00-24:00	350		350	0	350			
	10th February 2022 to 28th February 2022	00:00-17:00	600	0	600	0	600		Limited on account of transformation capacity at 400/220 kV Dhalkebar S/s	
		17:00-21:00	600		600	0	600			
		21:00-24:00	600		600	0	600			

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Nepal to India (ER ISTS) #	1st February 2022 to 09th February 2022	00:00-17:00	350	0	350	0	350		Limited on account of transformation capacity at 220/132 kV Dhalkebar S/s	
		17:00-21:00	350		350	0	350			
		21:00-24:00	350		350	0	350			
	10th February 2022 to 28th February 2022	00:00-17:00	600	0	600	0	600		Limited on account of transformation capacity at 400/220 kV Dhalkebar S/s	
		17:00-21:00	600		600	0	600			
		21:00-24:00	600		600	0	600			
India (Manipur) to Myanmar #	1st February 2022 to 28th February 2022	00:00-17:00	3.4	-	3.4	0	3.4		Limited to overloading limit of 11 kV Moreh -Tamu	
		17:00-21:00	3.4		3.4	0	3.4			
		21:00-24:00	3.4		3.4	0	3.4			
Myanmar to India (Manipur) #	1st February 2022 to 28th February 2022	00:00-17:00	3.4	-	3.4	0	3.4		Limited to overloading limit of 11 kV Moreh -Tamu	
		17:00-21:00	3.4		3.4	0	3.4			
		21:00-24:00	3.4		3.4	0	3.4			

Note 1:	In case of operation of SPS, Transfer Capability will be revised accordingly.
Note 2:	Schedule between India and Bangladesh will be prepared using the above table till the next revision
Note 3:	Transfer Capability between India and Bangladesh in the above table has been evaluated ignoring the constraints from Bangladesh side.
Note 4:	LTA of Bangladesh is considered as 300 MW from DVC, 250 MW from Sembcorp Energy India Limited and 210 MW from ISGS allocation (excluding auxiliaries+losses).
Note 5:	* ISTS to cross-border TTC/ATC is for security & market purpose only
Note 6:	# Intra-state to cross-border TTC/ATC is for security purpose only
Note 7:	## TTC is the sum of individual maximum permissible load as Nepal is fed radially & declared by SLDC Bihar.
Note 8:	The above limits are considering the network limitation on Indian side. In case cross-border NLDC also declare the TTC/ATC considering the network limitation on their respective side, the lower of this values vs values in above table would be reckoned for the purpose of scheduling.
Note 9:	In case any other constraint would be intimated by respective cross-border NLDC, these figures would be revised accordingly.
Note 10:	NLDC India would approve the transactions in line with the GOI guidelines of Dec 2018, CERC Cross Border regulations and the CBTE procedure issued by DA.
	http://powermin.nic.in/sites/default/files/uploads/Guidelines_for_ImportExport_Cross%20Border_of_Electricity_2018.pdf
	http://www.cercind.gov.in/2019/regulation/CBTE-Regulations2019.pdf
	https://cea.nic.in/wp-content/uploads/2021/02/Final_DA_Procedure_26022021.pdf

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Revision No	Date of Revision	Period of Revision	Reason for Revision
1	05th January 2022	Whole month	Revised LTA quantum of India (NR ISTS) to Nepal.
2	09th February 2022	10th to 28th February 2022	Revised TTC for both Import and Export between ER(ISTS) & Nepal due to Network Augmentation at Dhalkebar end as per 10th JTT between India & Nepal
3	09th February 2022	11th February 2022	Shutdown of Bheramara Pole - 1 & 2 (India (ER ISTS) to Bangladesh & Bangladesh to India (ER ISTS))
4	17th February 2022	18th February 2022	Shutdown of Bheramara Pole - 2 (India (ER ISTS) to Bangladesh & Bangladesh to India (ER ISTS))