

National Load Despatch Centre, New Delhi
Cross Border Transfer Capability for April 2025

Issue Date: 27-01-2025

Issue Time: 1500 hrs

Revision No. 4

Cross-Border Corridor	Date	Time Period in IST (hrs)	TTC	Reliability Margin	Available Transfer Capability (ATC)	General Network Access (GNA)	Margin Available for T-GNA	Changes in TTC w.r.t. Last Revision	Limiting constraint	Comments
India (ER ISTS) to Bangladesh *	1st April 2025 to 30th April 2025	00:00-17:00	1000	0	1000	982	18		Limited to HVDC Bherama-Bhramppore rated capacity	
		17:00-21:00	1000		1000	982	18			
		21:00-24:00	1000		1000	982	18			
Bangladesh to India (ER ISTS) *	1st April 2025 to 30th April 2025	00:00-17:00	1000	0	1000	0	1000		Limited to HVDC Bherama-Bhramppore rated capacity	
		17:00-21:00	1000		1000	0	1000			
		21:00-24:00	1000		1000	0	1000			
India (Tripura) to Bangladesh #	1st April 2025 to 30th April 2025	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 April 2025 to 30th April 2025	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 & NER ISTS) to Bhutan *	1st April 2025 to 30th April 2025	00:00-17:00	1100	0	1100	0	1100		1. N-1 of Chukha-Birpara will overload the other circuit 2. Outage of any circuit of 220 kV Birpara - Alipurduar D/C will overload the other circuit, 3. The outage of any one circuit of 220 kV Birpara-Chukha D/C will overload 220 kV Birpara – Malbase 4. Low Voltage in NER system	
		17:00-21:00	1100		1100	0	1100			
		21:00-24:00	1100		1100	0	1100			
Bhutan to India (ER ISTS) *	1st April 2025 to 30th April 2025	00:00-17:00	2380	50	2330	2185	145		N-1 of Chukha-Birpara will overload the other circuit	
		17:00-21:00	2380		2330	2185	145			
		21:00-24:00	2380		2330	2185	145			
Bhutan to India (NER ISTS) *	1st April 2025 to 30th April 2025	00:00-17:00	158	-	158	0	158		Limited to loading upto the thermal 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 April 2025 to 30th April 2025	00:00-17:00	300	0	300	0	300		(i) Overloading of 220/132kv, 3x160MVA ICTs at Kishanganj. (ii) Limited to thermal limit of 132 kV Raxual Parwanipur D/C. (iii) Limited to thermal limit of 132 KV Bettiah - Ramnagar, 132 KV Bettia - Thakraha 132 KV Bettiah – Narkatiyaganj lines.	
		17:00-21:00	300		300	0	300			

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		21:00-24:00	300		300	0	300			
India (NR ISTS) to Nepal *	1st April 2025 to 30th April 2025	00:00-17:00	80	-	80	0	80		Limited to ampacity of 132 kV Tanakpur-Mahendranagar S/C line	
		17:00-21:00	80		80	0	80			
		21:00-24:00	80		80	0	80			
India (UP) to Nepal ###	1st April 2025 to 30th April 2025	00:00-24:00	50	0	50	0	50		Overloading of 132 kV Anand Nagar – New Nautanwa under outage of 132 kV New Nautanwa – Bansi S/C.	
Nepal to India (NR ISTS) *	1st April 2025 to 30th April 2025	00:00-17:00	80	0	80	0	80		Limited to ampacity of 132 kV Tanakpur-Mahendranagar S/C line	
		17:00-21:00	80		80	0	80			
		21:00-24:00	80		80	0	80			
India (ER ISTS) to Nepal *	1st April 2025 to 30th April 2025	00:00-17:00	1000	0	1000	0	1000		N-1 Contingency of 400kV DhalkebarMuzaffarpur Line D/C will overload the other circuit.	
		17:00-21:00	1000		1000	0	1000			
		21:00-24:00	1000		1000	0	1000			
Nepal to India (ER ISTS) *	1st April 2025 to 30th April 2025	00:00-17:00	1000	0	1000	0	1000		N-1 Contingency of 400kV DhalkebarMuzaffarpur Line D/C will overload the other circuit.	
		17:00-21:00	1000		1000	0	1000			
		21:00-24:00	1000		1000	0	1000			
India (Manipur) to Myanmar #	1st April 2025 to 30th April 2025	00:00-17:00	3.4	-	3.4	0	3.4		Limited to loading upto the thermal 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 April 2025 to 30th April 2025	00:00-17:00	3.4	-	3.4	0	3.4		Limited to loading upto the thermal 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:	Deemed GNA of Bangladesh from India is considered as 300 MW from DVC, 450 MW from Sembcorp Energy India Limited and 232 MW from IGS allocation (excluding auxiliaries+losses).
Note 5:	* ISTS to cross-border TTC/ATC is for security & market purpose.
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 transfer capability from UP to Nepal through 132 kV Nautanwa – Mainhiya D/C line

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Note 9:	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 10 :	In case any other constraint would be intimated by respective cross-border NLDC, these figures would be revised accordingly.									
Note 11 :	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									

Cross Border Transfer Capability for Nov 2024

Revision No	Date of Revision	Period of Revision	Reason for Revision
1	30th April 2024	1st Nov 2024 to 30th Nov 2024	Change in LGB and assessment of transfer capability from UP to Nepal through 132 kV Nautanwa – Mainhiya D/C line
2	1st Nov 2024 to 30th Nov 2024	6th Nov 2024 to 30th Nov 2024	Change in LGB and assessment of transfer capability from India (ER-ISTS + NER-ISTS) to Bhutan
3	7th November 2024	8th November 2024	Due to the shutdown of 220KV MAIN BUS - 1 & 2 AT BIRPARA, 220KV-BIRPARA-MALBASE-1 & 220KV-CHUKHA-BIRPARA-1 & 2
4	27th Jan 2024	1st Feb 2024	Commissioning of 4th 400/220 kV 315 MVA Dhalkebar S/s ICT