National Load Despatch Centre
Total Transfer Capability for Jan 2026

Issue Date:Jan 28 2025	Issue Time:18:41:03	Revision No :1

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
ER-NER	01 Jan to 31 Jan	00:00 to 07:00	1340	60	1280	NA		0	
		07:00 to 12:00	1270	60	1210	NA		0	
		12:00 to 17:00	1165	60	1105	NA		0	
		17:00 to 21:00	920	60	860	NA		0	
		21:00 to 24:00	1340	60	1280	NA		0	
ER-NR	01 Jan to 31 Jan	00:00 to 24:00	6700	400	6300	NA		0	
ER-SR	01 Jan to 31 Jan	00:00 to 24:00	6200	350	5850	NA		0	
ER-W3	01 Jan to 31 Jan	00:00 to 24:00	No limit is being specified.						
ER-WR	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	
NER-ER	01 Jan to 31 Jan	00:00 to 24:00	3480	60	3420	NA		0	
NR-ER	01 Jan to 31 Jan	00:00 to 24:00	4000	300	3700	NA		0	
NR-WR	01 Jan to 31 Jan	00:00 to 24:00	6000	500	5500	NA		0	
SR-ER	01 Jan to 31 Jan	00:00 to 24:00	No limit is being specified.						
SR-WR	01 Jan to 31 Jan	00:00 to 06:00	7200	650	6550	NA		0	
		06:00 to 18:00	7100	650	6450	NA		0	
		18:00 to 24:00	7200	650	6550	NA		0	
W3 Injection	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Jan to 31 Jan	00:00 to 24:00	No limit is being specified.						
WR-ER	01 Jan to 31 Jan	00:00 to 24:00	5500	300	5200	NA		0	
WR-NR	01 Jan to 31 Jan	00:00 to 09:00	22350	1000	21350	NA		0	
		09:00 to 16:00	19050	1000	18050	NA		0	
		16:00 to 24:00	22350	1000	21350	NA		0	
WR-SR	01 Jan to 31 Jan	00:00 to 24:00	16100	650	15450	NA		0	

Simultaneous Import Capability

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
ER	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	
NER	01 Jan to 31 Jan	00:00 to 07:00	1340	60	1280	824	456	0	
		07:00 to 12:00	1270	60	1210	824	386	0	
		12:00 to 17:00	1165	60	1105	824	281	0	
		17:00 to 21:00	920	60	860	824	36	0	
		21:00 to 24:00	1340	60	1280	824	456	0	
NR	01 Jan to 31 Jan	00:00 to 09:00	25700	1400	24300	17344	6956	0	
		09:00 to 16:00	20250	1400	18850	17344	1506	0	
		16:00 to 24:00	25700	1400	24300	17344	6956	0	
SR	01 Jan to 31 Jan	00:00 to 24:00	22300	1000	21300	7601	13699	0	
WR	01 Jan to 31 Jan	00:00 to 24:00	NA	NA			NA	0	

Simultaneous Export Capability

Corridor	Date	Time Period(hrs)	Total Transfer Capability(TTC)	Reliability Margin(RM)	Available Transfer Capability(ATC)	Approved GNA(MW)	Margin for T-GNA (MW)	Changes w.r.t. Previous Revision	Comment
ER	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	
NER	01 Jan to 31 Jan	00:00 to 24:00	3480	60	3420	NA		0	
NR	01 Jan to 31 Jan	00:00 to 24:00	6000	500	5500	NA		0	
SR	01 Jan to 31 Jan	00:00 to 24:00	6400	650	5750	NA		0	
WR	01 Jan to 31 Jan	00:00 to 24:00	NA	NA		NA		0	

Limiting Constraints

Corridor	Constraints	Revisions
WR-NR	1. N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit 2. Low Voltages in major load Centres in the northern region during solar hours. 3. High loading of 765 KV Aligarh-Gr. Noida under N-1 contingency of 765 KV Bara-Mainpuri ckt	1
NR-ER	1. Overloading of one circuit of 400 kV New Ranchi – New PPSP D/C on the tripping of the other circuit 2. Overloading of one circuit of 400 kV Kahalgaon – Farakka D/C on the tripping of the other circuit 3. Overloading of 400 kV Farakka –Sagardighi – 1 on the tripping of 400 kV Farakka – Sagardighi - 2	1
WR-ER	1. Overloading of one circuit of 400 kV New Ranchi – New PPSP D/C on the tripping of the other circuit 2. Overloading of one circuit of 400 kV Kahalgaon – Farakka D/C on the tripping of the other circuit 3. Overloading of 400 kV Farakka –Sagardighi – 1 on the tripping of 400 kV Farakka – Sagardighi - 2	1
ER-NR	-	1
WR-SR	Outage of any one of the 2x1500 MVA, 765/400 kV ICTs at Maheswaram overloads the other ICT	1
ER-SR	1. Low Voltage at Gazuwaka (East) Bus.	1
SR-WR	a) Angular separation between Kudgi & Kolhapur (PG) under N-1 touches 30 deg. b) N-1 Contingency of 765/400 kV, 1500 MVA ICTs at Raichur - PG will overload the other circuit. c) N-1 Contingency of 400 kV Kolhapur – Karad D/C will overload the other circuit. d) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– B at Raigarh – PS (Kotra) with operation of HVDC Raigarh – Pugalur Bipole – 1 in SR-WR direction	1
ER-NER	N-1 contingency of 400 kV Bongaigaon - Azara line will lead to high Loading of 220 kV BTPS - Agia D/C	1
NER-ER	N-1 contingency of 400 kV Bongaigaon-Alipurduar DC will lead to the High Loading of the other circuit	1
NR_IMPORT	1. N-1 contingency of one ckt of 765 kV Vindhyachal-Varanasi will overload the other circuit 2. Low Voltages in major load Centres in the northern region during solar hours. 3. High loading of 765 KV Aligarh-Gr. Noida under N-1 contingency of 765 KV Bara-Mainpuri ckt	1
NR_EXPORT	Outage of any one of 765 kV Chittorgarh - Banaskantha D/C will overload 400 kV Zerda - Kankroli - 1 (Direct Line)	1
NER_IMPORT	N-1 contingency of 400 kV Bongaigaon - Azara line will lead to high Loading of 220 kV BTPS - Agia D/C	1
NER_EXPORT	N-1 contingency of 400 kV Bongaigaon-Alipurduar DC will lead to the High Loading of the other circuit	1
SR_IMPORT	1. Outage of any one of the 2x1500 MVA, 765/400 kV ICTs at Maheswaram overloads the other ICT 2. Low Voltage at Gazuwaka (East) Bus	1
SR_EXPORT	a) Angular separation between Kudgi & Kolhapur (PG) under N-1 touches 30 deg. b) N-1 Contingency of 765/400 kV, 1500 MVA ICTs at Raichur - PG will overload the other ICT. c) N-1 Contingency of 400 kV Kolhapur – Karad D/C will overload the other circuit. d) N-1 non-compliance of 2*1500 MVA, 765/400 kV ICTs at Section– B at Raigarh – PS (Kotra) with operation of HVDC Raigarh – Pugalur Bipole – 1 in SR-WR direction	1
