

National Load Despatch Centre Total Transfer Capability for Oct 2024									
Issue Date:Oct 21 2024				Issue Time:17:28:01				Revision No :21	
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 Oct to 31 Oct	00:00 to 18:00	2000	60	1940	NA		0	
		18:00 to 22:00	1600	60	1540	NA		0	
		22:00 to 24:00	2000	60	1940	NA		0	
ER-NR	01 Oct to 02 Oct	00:00 to 24:00	6400	400	6000	NA		0	
	03 Oct to 03 Oct	00:00 to 09:00	6400	400	6000	NA		0	
		09:00 to 24:00	6000	400	5600	NA		0	
	04 Oct to 04 Oct	00:00 to 24:00	6400	400	6000	NA		0	
	05 Oct to 05 Oct	00:00 to 09:00	6400	400	6000	NA		0	
		09:00 to 24:00	5700	400	5300	NA		0	
	06 Oct to 06 Oct	00:00 to 06:00	6400	400	6000	NA		0	
		06:00 to 24:00	6250	400	5850	NA		0	
	07 Oct to 08 Oct	00:00 to 24:00	6400	400	6000	NA		0	
	09 Oct to 09 Oct	00:00 to 08:00	6400	400	6000	NA		0	
		08:00 to 24:00	6350	400	5950	NA		0	
	10 Oct to 13 Oct	00:00 to 24:00	6400	400	6000	NA		0	
	14 Oct to 14 Oct	00:00 to 08:00	6700	400	6300	NA		0	
		08:00 to 24:00	6400	400	6000	NA		0	
	15 Oct to 22 Oct	00:00 to 24:00	6700	400	6300	NA		0	
	23 Oct to 23 Oct	00:00 to 09:00	6700	400	6300	NA		0	
		09:00 to 17:00	6550	400	6150	NA		-150	Due to shutdown of GR.NOIDA_2(UPC)-ALIGARH(PG) (PG) CKT-1
		17:00 to 24:00	6500	400	6100	NA		-200	Due to shutdown of 765 KV AJMER-BHADLA_2 (PG) CKT-1 & 2
	24 Oct to 24 Oct	00:00 to 24:00	6650	400	6250	NA		-50	
	25 Oct to 31 Oct	00:00 to 24:00	6700	400	6300	NA		0	
ER-SR	01 Oct to 16 Oct	00:00 to 06:00	6200	350	5850	NA		0	

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
		06:00 to 18:00	6200	350	5850	NA		0	
		18:00 to 24:00	6200	350	5850	NA		0	
	17 Oct to 17 Oct	00:00 to 06:00	6200	350	5850	NA		0	
		06:00 to 24:00	6150	350	5800	NA		0	
	18 Oct to 22 Oct	00:00 to 24:00	6200	350	5850	NA		0	
	23 Oct to 23 Oct	00:00 to 09:00	6200	350	5850	NA		0	
		09:00 to 24:00	6000	350	5650	NA		-200	Due to shutdown of HVDC 800KV RAIGARH-GIS-HVDC POLE 2
	24 Oct to 24 Oct	00:00 to 24:00	6000	350	5650	NA		-200	
	25 Oct to 31 Oct	00:00 to 24:00	6200	350	5850	NA		0	
	ER-W3	01 Oct to 31 Oct	00:00 to 24:00	No limit is being specified.					
ER-WR	01 Oct to 31 Oct	00:00 to 24:00	NA	NA		NA		0	
NER-ER	01 Oct to 31 Oct	00:00 to 18:00	3700	60	3640	NA		0	
		18:00 to 22:00	3700	60	3640	NA		0	
		22:00 to 24:00	3700	60	3640	NA		0	
NR-ER	01 Oct to 31 Oct	00:00 to 06:00	4000	300	3700	NA		0	
		06:00 to 18:00	4000	300	3700	NA		0	
		18:00 to 24:00	4000	300	3700	NA		0	
NR-WR	01 Oct to 17 Oct	00:00 to 06:00	6000	500	5500	NA		0	
		06:00 to 18:00	6000	500	5500	NA		0	
		18:00 to 24:00	6000	500	5500	NA		0	
	18 Oct to 18 Oct	00:00 to 15:00	6000	500	5500	NA		0	
		15:00 to 24:00	3900	500	3400	NA		0	
	19 Oct to 20 Oct	00:00 to 24:00	6000	500	5500	NA		0	
	21 Oct to 21 Oct	00:00 to 17:00	5500	500	5000	NA		0	
		17:00 to 24:00	5500	500	5000	NA		0	
	22 Oct to 22 Oct	00:00 to 15:00	6000	500	5500	NA		0	
		15:00 to 17:00	5100	500	4600	NA		0	

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		17:00 to 24:00	4600	500	4100	NA		0	
	23 Oct to 31 Oct	00:00 to 24:00	6000	500	5500	NA		0	
SR-ER	01 Oct to 31 Oct	00:00 to 24:00	No limit is being specified.						
SR-WR	01 Oct to 31 Oct	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 Oct to 31 Oct	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Oct to 31 Oct	00:00 to 24:00	No limit is being specified.						
WR-ER	01 Oct to 31 Oct	00:00 to 06:00	5500	300	5200	NA		0	
		06:00 to 18:00	5500	300	5200	NA		0	
		18:00 to 24:00	5500	300	5200	NA		0	
WR-NR	01 Oct to 02 Oct	00:00 to 09:00	23950	1000	22950	NA		0	
		09:00 to 15:00	17600	1000	16600	NA		0	
		15:00 to 16:00	18700	1000	17700	NA		0	
		16:00 to 24:00	23950	1000	22950	NA		0	
	03 Oct to 03 Oct	00:00 to 09:00	23950	1000	22950	NA		0	
		09:00 to 15:00	16900	1000	15900	NA		0	
		15:00 to 16:00	18000	1000	17000	NA		0	
		16:00 to 24:00	23250	1000	22250	NA		0	
	04 Oct to 04 Oct	00:00 to 09:00	23950	1000	22950	NA		0	
		09:00 to 15:00	17600	1000	16600	NA		0	
		15:00 to 16:00	18700	1000	17700	NA		0	
		16:00 to 24:00	23950	1000	22950	NA		0	
	05 Oct to 05 Oct	00:00 to 09:00	23950	1000	22950	NA		0	
		09:00 to 15:00	15850	1000	14850	NA		0	
		15:00 to 16:00	16950	1000	15950	NA		0	
		16:00 to 24:00	22200	1000	21200	NA		0	
	06 Oct to 06 Oct	00:00 to 06:00	23950	1000	22950	NA		0	

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
		06:00 to 09:00	23650	1000	22650	NA		0	
		09:00 to 15:00	17300	1000	16300	NA		0	
		15:00 to 16:00	18400	1000	17400	NA		0	
		16:00 to 24:00	23650	1000	22650	NA		0	
	07 Oct to 08 Oct	00:00 to 09:00	23950	1000	22950	NA		0	
		09:00 to 15:00	17600	1000	16600	NA		0	
		15:00 to 16:00	18700	1000	17700	NA		0	
		16:00 to 24:00	23950	1000	22950	NA		0	
	09 Oct to 09 Oct	00:00 to 08:00	23950	1000	22950	NA		0	
		08:00 to 09:00	23900	1000	22900	NA		0	
		09:00 to 15:00	17550	1000	16550	NA		0	
		15:00 to 16:00	18650	1000	17650	NA		0	
		16:00 to 24:00	23900	1000	22900	NA		0	
	10 Oct to 13 Oct	00:00 to 09:00	23950	1000	22950	NA		0	
		09:00 to 15:00	17600	1000	16600	NA		0	
		15:00 to 16:00	18700	1000	17700	NA		0	
		16:00 to 24:00	23950	1000	22950	NA		0	
	14 Oct to 14 Oct	00:00 to 08:00	24800	1000	23800	NA		0	
		08:00 to 09:00	23200	1000	22200	NA		0	
		09:00 to 15:00	16850	1000	15850	NA		0	
		15:00 to 16:00	17950	1000	16950	NA		0	
		16:00 to 24:00	23200	1000	22200	NA		0	
	15 Oct to 17 Oct	00:00 to 09:00	24800	1000	23800	NA		0	
		09:00 to 15:00	18450	1000	17450	NA		0	
		15:00 to 16:00	19550	1000	18550	NA		0	
		16:00 to 24:00	24800	1000	23800	NA		0	
	18 Oct to 22 Oct	00:00 to 09:00	24800	1000	23800	NA		0	
		09:00 to 15:00	19450	1000	18450	NA		0	
15:00 to 16:00		20550	1000	19550	NA		0		
16:00 to 24:00		24800	1000	23800	NA		0		

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	23 Oct to 23 Oct	00:00 to 08:00	24800	1000	23800	NA		0		
		08:00 to 09:00	24350	1000	23350	NA		-450	Due to shutdown of GR.NOIDA_2(UPC)-ALIGARH(PG) (PG) CKT-1	
		09:00 to 15:00	19000	1000	18000	NA		-450		
		15:00 to 16:00	20100	1000	19100	NA		-450		
		16:00 to 17:00	24350	1000	23350	NA		-450		
		17:00 to 24:00	24200	1000	23200	NA		-600	Due to shutdown of 765 KV AJMER-BHADLA_2 (PG) CKT-1 & 2	
	24 Oct to 25 Oct	00:00 to 09:00	24650	1000	23650	NA		-150		
		09:00 to 15:00	19300	1000	18300	NA		-150		
		15:00 to 16:00	20400	1000	19400	NA		-150		
		16:00 to 24:00	24650	1000	23650	NA		-150		
	26 Oct to 31 Oct	00:00 to 09:00	24800	1000	23800	NA		0		
		09:00 to 15:00	19450	1000	18450	NA		0		
		15:00 to 16:00	20550	1000	19550	NA		0		
		16:00 to 24:00	24800	1000	23800	NA		0		
	WR-SR	01 Oct to 16 Oct	00:00 to 06:00	16100	650	15450	NA		0	
			06:00 to 18:00	16100	650	15450	NA		0	
18:00 to 24:00			16100	650	15450	NA		0		
17 Oct to 17 Oct		00:00 to 06:00	16100	650	15450	NA		0		
		06:00 to 24:00	15950	650	15300	NA		0		
18 Oct to 22 Oct		00:00 to 24:00	16100	650	15450	NA		0		
23 Oct to 23 Oct		00:00 to 09:00	16100	650	15450	NA		0		
		09:00 to 24:00	15050	650	14400	NA		-1050	Due to shutdown of HVDC 800KV RAIGARH-GIS-HVDC POLE 2	
24 Oct to 24 Oct		00:00 to 24:00	15050	650	14400	NA		-1050		
25 Oct to 31 Oct		00:00 to 24:00	16100	650	15450	NA		0		

- Based on the actual distribution of corridor flows, Counter flow benefit on account of transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- 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.
- S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala
- 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) NTPC Korba I, II & III, j) NTPC Sipat I & II, k)

KSK Mahanadi, L)DB Power, m) REGL (Previously KWPC), m)RKM, o)REL, p) Bharat Aluminium, q)MCCPL, r)SKS, s) TRN, t)NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh

- The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units 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 Grid-India/NLDC "News Update" (Flasher) Section

### 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 Oct to 31 Oct	00:00 to 24:00	NA	NA		3222	NA	0	
NER	01 Oct to 31 Oct	00:00 to 18:00	1500	60	1440	824	616	0	
		18:00 to 22:00	1100	60	1040	824	216	0	
		22:00 to 24:00	1500	60	1440	824	616	0	
NR	01 Oct to 02 Oct	00:00 to 09:00	27250	1400	25850	17344	8506	0	
		09:00 to 15:00	18500	1400	17100	17344	NA	0	
		15:00 to 16:00	19600	1400	18200	17344	856	0	
		16:00 to 24:00	27250	1400	25850	17344	8506	0	
	03 Oct to 03 Oct	00:00 to 09:00	27250	1400	25850	17344	8506	0	
		09:00 to 15:00	17400	1400	16000	17344	NA	0	
		15:00 to 16:00	18500	1400	17100	17344	NA	0	
		16:00 to 24:00	26150	1400	24750	17344	7406	0	
	04 Oct to 04 Oct	00:00 to 09:00	27250	1400	25850	17344	8506	0	
		09:00 to 15:00	18500	1400	17100	17344	NA	0	
		15:00 to 16:00	19600	1400	18200	17344	856	0	
		16:00 to 24:00	27250	1400	25850	17344	8506	0	
	05 Oct to 05 Oct	00:00 to 09:00	27250	1400	25850	17344	8506	0	
		09:00 to 15:00	16050	1400	14650	17344	NA	0	
		15:00 to 16:00	17150	1400	15750	17344	NA	0	
		16:00 to 24:00	24800	1400	23400	17344	6056	0	
	06 Oct to 06 Oct	00:00 to 06:00	27250	1400	25850	17344	8506	0	
		06:00 to 09:00	26800	1400	25400	17344	8056	0	
		09:00 to 15:00	18050	1400	16650	17344	NA	0	
		15:00 to 16:00	19150	1400	17750	17344	406	0	

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
		16:00 to 24:00	26800	1400	25400	17344	8056	0	
	07 Oct to 08 Oct	00:00 to 09:00	27250	1400	25850	17344	8506	0	
		09:00 to 15:00	18500	1400	17100	17344	NA	0	
		15:00 to 16:00	19600	1400	18200	17344	856	0	
		16:00 to 24:00	27250	1400	25850	17344	8506	0	
		00:00 to 08:00	27250	1400	25850	17344	8506	0	
	09 Oct to 09 Oct	08:00 to 09:00	27150	1400	25750	17344	8406	0	
		09:00 to 15:00	18400	1400	17000	17344	NA	0	
		15:00 to 16:00	19500	1400	18100	17344	756	0	
		16:00 to 24:00	27150	1400	25750	17344	8406	0	
		00:00 to 09:00	27250	1400	25850	17344	8506	0	
	10 Oct to 13 Oct	09:00 to 15:00	18500	1400	17100	17344	NA	0	
		15:00 to 16:00	19600	1400	18200	17344	856	0	
		16:00 to 24:00	27250	1400	25850	17344	8506	0	
		00:00 to 08:00	28400	1400	27000	17344	9656	0	
	14 Oct to 14 Oct	08:00 to 09:00	26500	1400	25100	17344	7756	0	
		09:00 to 15:00	17750	1400	16350	17344	NA	0	
		15:00 to 16:00	18850	1400	17450	17344	106	0	
		16:00 to 24:00	26500	1400	25100	17344	7756	0	
		00:00 to 09:00	28400	1400	27000	17344	9656	0	
	15 Oct to 17 Oct	09:00 to 15:00	19650	1400	18250	17344	906	0	
		15:00 to 16:00	20750	1400	19350	17344	2006	0	
		16:00 to 24:00	28400	1400	27000	17344	9656	0	
		00:00 to 09:00	28400	1400	27000	17344	9656	0	
	18 Oct to 22 Oct	09:00 to 15:00	20650	1400	19250	17344	1906	0	
		15:00 to 16:00	21750	1400	20350	17344	3006	0	
		16:00 to 24:00	28400	1400	27000	17344	9656	0	
		00:00 to 08:00	28400	1400	27000	17344	9656	0	
	23 Oct to 23 Oct	08:00 to 09:00	27800	1400	26400	17344	9056	-600	Due to shutdown of GR.NOIDA_2(UPC)-ALIGARH(PG) (PG) CKT-1

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		09:00 to 15:00	20050	1400	18650	17344	1306	-600		
		15:00 to 16:00	21150	1400	19750	17344	2406	-600		
		16:00 to 17:00	27800	1400	26400	17344	9056	-600		
		17:00 to 24:00	27600	1400	26200	17344	8856	-800	Due to shutdown of 765 KV AJMER-BHADLA_2 (PG) CKT-1 & 2	
	24 Oct to 25 Oct	00:00 to 09:00	28200	1400	26800	17344	9456	-200		
		09:00 to 15:00	20450	1400	19050	17344	1706	-200		
		15:00 to 16:00	21550	1400	20150	17344	2806	-200		
		16:00 to 24:00	28200	1400	26800	17344	9456	-200		
	26 Oct to 31 Oct	00:00 to 09:00	28400	1400	27000	17344	9656	0		
		09:00 to 15:00	20650	1400	19250	17344	1906	0		
		15:00 to 16:00	21750	1400	20350	17344	3006	0		
		16:00 to 24:00	28400	1400	27000	17344	9656	0		
	SR	01 Oct to 16 Oct	00:00 to 06:00	22300	1000	21300	7601	13699	0	
			06:00 to 18:00	22300	1000	21300	7601	13699	0	
			18:00 to 24:00	22300	1000	21300	7601	13699	0	
		17 Oct to 17 Oct	00:00 to 06:00	22300	1000	21300	7601	13699	0	
06:00 to 24:00			22100	1000	21100	7601	13499	0		
18 Oct to 22 Oct		00:00 to 24:00	22300	1000	21300	7601	13699	0		
23 Oct to 23 Oct		00:00 to 09:00	22300	1000	21300	7601	13699	0		
		09:00 to 24:00	21050	1000	20050	7601	12449	-1250		
24 Oct to 24 Oct		00:00 to 24:00	21050	1000	20050	7601	12449	-1250		
25 Oct to 31 Oct		00:00 to 24:00	22300	1000	21300	7601	13699	0		
WR	01 Oct to 31 Oct	00:00 to 24:00	NA	NA		7813	NA	0		

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- The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units would vary. RLDC/NLDC would factor this situation on day-ahead basis. In the eventuality that net

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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 Oct to 31 Oct	00:00 to 24:00	NA	NA		NA		0	
NER	01 Oct to 31 Oct	00:00 to 18:00	3200	60	3140	NA		0	
		18:00 to 22:00	3200	60	3140	NA		0	
		22:00 to 24:00	3200	60	3140	NA		0	
NR	01 Oct to 17 Oct	00:00 to 06:00	6000	500	5500	NA		0	
		06:00 to 18:00	6000	500	5500	NA		0	
		18:00 to 24:00	6000	500	5500	NA		0	
	18 Oct to 18 Oct	00:00 to 15:00	6000	500	5500	NA		0	
		15:00 to 24:00	3900	500	3400	NA		0	
	19 Oct to 20 Oct	00:00 to 24:00	6000	500	5500	NA		0	
	21 Oct to 21 Oct	00:00 to 17:00	6000	500	5500	NA		0	
		17:00 to 24:00	5500	500	5000	NA		0	
	22 Oct to 22 Oct	00:00 to 15:00	6000	500	5500	NA		0	
		15:00 to 17:00	5100	500	4600	NA		0	
		17:00 to 24:00	4600	500	4100	NA		0	
	23 Oct to 31 Oct	00:00 to 24:00	6000	500	5500	NA		0	
SR	01 Oct to 31 Oct	00:00 to 06:00	6400	650	5750	NA		0	
		06:00 to 18:00	6400	650	5750	NA		0	
		18:00 to 24:00	6400	650	5750	NA		0	
WR	01 Oct to 31 Oct	00:00 to 24:00	NA	NA		NA		0	

- Based on the actual distribution of corridor flows, Counter flow benefit on account of transactions in the reverse direction would be considered for short-term transactions wherever applicable.
- 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.
- S1 comprises of Telangana, AP and Karnataka; S2 comprises of Tamil Nadu and Puducherry; S3 comprises Kerala
- 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) NTPC Korba I, II & III, j) NTPC Sipat I & II, k) KSK Mahanadi, l) DB Power, m) REGL (Previously KWPC), n) RKM, o) REL, p) Bharat Aluminium, q) MCCPL, r) SKS, s) TRN, t) NTPC Lara, u) Adani Power Limited Raipur and any other regional entity generator in Chhattisgarh
- The figure is based on GNA approved by CTU. In actual Operation, due to Units being on Maintenance/ Fuel shortage/New units being commissioned, the dispatches of units 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 Grid-India/NLDC "News Update" (Flasher) Section

### 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	0-21
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	0-21
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 –	0-21

Corridor	Constraints	Revisions
	Sagardighi – 1 on the tripping of 400 kV Farakka – Sagardighi - 2	
ER-NR	Inter-regional flow pattern towards NR	0-21
WR-SR	Outage of any one of the 2x1500 MVA, 765/400 kV ICTs at Maheswaram overloads the other ICT	0-21
ER-SR	1. Low Voltage at Gazuwaka (East) Bus.	0-21
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 Pune – Kalwa will overload 400 kV Pune -Khargar & and vice-versa. d) N-1 Contingency of 400 kV Kolhapur – Karad D/C will overload the other circuit. e) 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	0-21
ER-NER	N-1 contingency of 400 kV Bongaigaon - Azara line will lead to high Loading of 220 kV Balipara-Sonabil D/C	0-21
NER-ER	N-1 contingency of 400 kV Bongaigaon-Alipurduar I or II will lead to the High Loading of 400 kV Bongaigaon-Alipurduar II or I	0-21
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 4. Inter-regional flow pattern towards NR	0-21
NR_EXPORT	Outage of any one of the two circuits from 400 kV Kankroli to 400 kV Zerda shall overload the other circuit.	0-21
NER_IMPORT	N-1 contingency of 400 kV Bongaigaon - Azara line will lead to high Loading of 220 kV Balipara-Sonabil D/C	0-21
NER_EXPORT	N-1 contingency of 400 kV Bongaigaon-Alipurduar I or II will lead to the High Loading of 400 kV Bongaigaon-Alipurduar II or I	0-21
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	0-21
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 circuit. c) N-1 Contingency of 400 kV Pune – Kalwa will overload 400 kV Pune -Khargar & and vice-versa. d) N-1 Contingency of 400 kV Kolhapur – Karad D/C will overload the other circuit. e) 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	0-21

## Revision Summary

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
1	28 Dec	01 Oct to 31 Oct	Change in T-GNA Margin due to grant of additional 174 MW GNA to Uttar Pradesh from outside Northern Region	NR_IMPORT
		01 Oct to 31 Oct	Change in T-GNA Margin due to grant of additional 55 MW GNA to Mizoram from outside North Eastern Region	NER_IMPORT
2	26 Jan	01 Oct to 31 Oct	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR	WR-NR
		01 Oct to 31 Oct	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR	ER-NR
		01 Oct to 31 Oct	TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB	WR-SR
		01 Oct to 31 Oct	TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB	ER-SR
		01 Oct to 31 Oct	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR	NR_IMPORT
		01 Oct to 31 Oct	TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB	SR_IMPORT
3	28 Feb	01 Oct to 31 Oct	Revised T-GNA margin due to approval of 500 MW GNA for Andhra Pradesh from Outside Southern Region	SR_IMPORT
4	28 Mar	01 Oct to 31 Oct	Enhancement in TTC due to Bypassing of 400 kV Kankroli - Bhinmal and 400 kV Bhinmal - Zerda at Bhinmal - PG (Temporary Arrangement) & revival of 400 KV Jodhpur-Kankroli-S/C after reconductoring	NR-WR
		01 Oct to 31 Oct	Enhancement in TTC due to Bypassing of 400 kV Kankroli - Bhinmal and 400 kV Bhinmal - Zerda at Bhinmal - PG (Temporary Arrangement) & revival of 400 KV Jodhpur-Kankroli-S/C after reconductoring	NR_EXPORT
5	28 Apr	01 Oct to 31 Oct	1. Revised T-GNA margin due to approval of 6.54 MW GNA for Arunachal Pradesh from Outside North-Eastern Region. 2. Revised T-GNA margin due to approval of 371 MW GNA for Assam from Outside North-Eastern Region	NER_IMPORT
		01 Oct to 31 Oct	Revised T-GNA margin due to approval of 25 MW GNA for Goa from Outside Western Region	WR_IMPORT
		01 Oct to 31 Oct	Revised T-GNA margin due to approval of 500 MW GNA for Karnataka from Outside Southern Region	SR_IMPORT

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		01 Oct to 31 Oct	Revised T-GNA margin due to approval of 24 MW GNA for West Bengal from Outside Eastern Region	ER_IMPORT
6	28 Aug	01 Oct to 31 Oct	TTC/ATC revised due to change in LGB	WR-NR
		01 Oct to 31 Oct	TTC/ATC revised due to change in LGB	SR-WR
		01 Oct to 31 Oct	TTC/ATC revised due to change in LGB	NR_IMPORT
		01 Oct to 31 Oct	TTC/ATC revised due to change in LGB	SR_EXPORT
7	29 Sep	01 Oct to 31 Oct	Due to forced outage of 765 kV Agra Gwalior ckt 1	WR-NR
		01 Oct to 31 Oct	Due to forced outage of 765 kV Agra Gwalior ckt 1	ER-NR
		01 Oct to 31 Oct	Due to change in LGBR	ER-NER
		01 Oct to 31 Oct	Due to change in LGBR	NER-ER
		01 Oct to 31 Oct	Due to forced outage of 765 kV Agra Gwalior ckt 1	NR_IMPORT
		01 Oct to 31 Oct	Due to change in LGBR	NER_IMPORT
		01 Oct to 31 Oct	Due to change in LGBR	NER_EXPORT
8	01 Oct	03 Oct to 03 Oct	Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1	WR-NR
		03 Oct to 03 Oct	Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1	ER-NR
		03 Oct to 03 Oct	Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1	NR_IMPORT
9	01 Oct	03 Oct to 03 Oct	Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1	WR-NR
		03 Oct to 03 Oct	Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1	ER-NR
		03 Oct to 03 Oct	Due to the shutdown of 765 kV Vindhyanchal - Jabalpur - 1	NR_IMPORT
10	03 Oct	05 Oct to 05 Oct	TTC/ATC curtailed due to shutdown of 765KV-SATNA-ORAI-1	WR-NR
		05 Oct to 05 Oct	TTC/ATC curtailed due to shutdown of 765KV-SATNA-ORAI-1	ER-NR
		06 Oct to 31 Oct	TTC/ATC curtailed due to shutdown of 765KV-SATNA-ORAI-1	NR_IMPORT
11	03 Oct	05 Oct to 05 Oct	TTC/ATC curtailed due to shutdown of 765KV-SATNA-ORAI-1	NR_IMPORT
		06 Oct to 31 Oct	TTC/ATC revised due to change in shutdown date of 765KV-SATNA-ORAI-1	NR_IMPORT
12	04 Oct	06 Oct to 06 Oct	TTC/ATC curtailed due to shutdown of Gwalior-Phagi-1	WR-NR
		06 Oct to 06 Oct	TTC/ATC curtailed due to shutdown of Gwalior-Phagi-1	ER-NR
		06 Oct to 06 Oct	TTC/ATC curtailed due to shutdown of Gwalior-Phagi-1	NR_IMPORT
13	07 Oct	09 Oct to 09 Oct	TTC/ATC curtailed due to shutdown of Gaya-Varanasi-2	WR-NR
		09 Oct to 09 Oct	TTC/ATC curtailed due to shutdown of Gaya-Varanasi-2	ER-NR
		09 Oct to 09 Oct	TTC/ATC curtailed due to shutdown of Gaya-Varanasi-2	NR_IMPORT
14	12 Oct	14 Oct to 14 Oct	TTC/ATC Revised due to Revival of 765KV Gwalior-Agra-1 and shutdown of 765 KV VARANASI(PG)-VINDHYACHALPOOL(PG) (PVTSL) CKT-2	WR-NR
		14 Oct to 14 Oct	TTC/ATC Revised due to Revival of 765KV Gwalior-Agra-1 and shutdown of 765 KV VARANASI(PG)-VINDHYACHALPOOL(PG) (PVTSL) CKT-2	ER-NR

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		14 Oct to 14 Oct	TTC/ATC Revised due to Revival of 765KV Gwalior-Agra-1 and shutdown of 765 KV VARANASI(PG)-VINDHYACHALPOOL(PG) (PVTSL) CKT-2	NR_IMPORT
15	15 Oct	17 Oct to 17 Oct	TTC/ATC curtailed due to the shutdown of 765KV/400KV VEMAGIRI_PG-ICT-2	WR-SR
		17 Oct to 17 Oct	TTC/ATC curtailed due to the shutdown of 765KV/400KV VEMAGIRI_PG-ICT-2	ER-SR
		17 Oct to 17 Oct	TTC/ATC curtailed due to the shutdown of 765KV/400KV VEMAGIRI_PG-ICT-2	SR_IMPORT
16	16 Oct	18 Oct to 18 Oct	TTC/ATC curtailed due to the shutdown of 400 KV Zerda-Kankroli-1	NR-WR
		18 Oct to 31 Oct	TTC/ATC revised due to change in LGB and voltage profile trends	WR-NR
		18 Oct to 31 Oct	TTC/ATC revised due to change in LGB and voltage profile trends	NR_IMPORT
		18 Oct to 18 Oct	TTC/ATC curtailed due to the shutdown of 400 KV Zerda-Kankroli-1	NR_EXPORT
17	19 Oct	18 Oct to 18 Oct	TTC/ATC curtailed due to the shutdown of 400 KV Zerda-Kankroli-1	NR-WR
		21 Oct to 21 Oct	Due to Shutdown of 765Kv Ajmer- Bhadla 2 D/C	NR-WR
		18 Oct to 31 Oct	TTC/ATC revised due to change in LGB and voltage profile trends	WR-NR
		18 Oct to 31 Oct	TTC/ATC revised due to change in LGB and voltage profile trends	NR_IMPORT
		18 Oct to 18 Oct	TTC/ATC curtailed due to the shutdown of 400 KV Zerda-Kankroli-1	NR_EXPORT
		19 Oct to 20 Oct	1	NR_EXPORT
		21 Oct to 21 Oct	Due to Shutdown of 765Kv Ajmer- Bhadla 2 D/C	NR_EXPORT
18	19 Oct	21 Oct to 21 Oct	Due to Shutdown of 765Kv Ajmer- Bhadla 2 D/C	NR-WR
		21 Oct to 21 Oct	Due to Shutdown of 765Kv Ajmer- Bhadla 2 D/C	NR_EXPORT
19	19 Oct	21 Oct to 21 Oct	Due to Shutdown of 765Kv Ajmer- Bhadla 2 D/C	NR-WR
		21 Oct to 21 Oct	Due to Shutdown of 765Kv Ajmer- Bhadla 2 D/C	NR_EXPORT
20	20 Oct	22 Oct to 22 Oct	Due to Shutdown of 765Kv Ajmer- Bhadla 2 D/C & 765/400 kv Banaskantha ICT 2	NR-WR
		22 Oct to 22 Oct	Due to Shutdown of 765Kv Ajmer- Bhadla 2 D/C & 765/400 kv Banaskantha ICT 2	NR_EXPORT
21	21 Oct	23 Oct to 23 Oct	Due to shutdown of GR.NOIDA_2(UPC)-ALIGARH(PG) (PG) CKT-1	WR-NR
		23 Oct to 23 Oct	Due to shutdown of 765 KV AJMER-BHADLA_2 (PG) CKT-1 & 2	WR-NR
		23 Oct to 23 Oct	Due to shutdown of GR.NOIDA_2(UPC)-ALIGARH(PG) (PG) CKT-1	ER-NR
		23 Oct to 23 Oct	Due to shutdown of 765 KV AJMER-BHADLA_2 (PG) CKT-1 & 2	ER-NR
		23 Oct to 23 Oct	Due to shutdown of HVDC 800KV RAIGARH-GIS-HVDC POLE 2	WR-SR
		23 Oct to 23 Oct	Due to shutdown of HVDC 800KV RAIGARH-GIS-HVDC POLE 2	ER-SR
		23 Oct to 23 Oct	Due to shutdown of GR.NOIDA_2(UPC)-ALIGARH(PG) (PG) CKT-1	NR_IMPORT
		23 Oct to 23 Oct	Due to shutdown of 765 KV AJMER-BHADLA_2 (PG) CKT-1 & 2	NR_IMPORT

## ASSUMPTIONS IN BASECASE

Month : Oct'24

S.No.	Name of State/Area	Demand		Generation	
		Non-Solar Peak(MW)	Solar Peak (MW)	Non-Solar Peak(MW)	Solar Peak (MW)
I	<b>NORTHERN REGION</b>				
1	Punjab	7031	7510	4881	4940
2	Haryana	7418	7386	3037	3499
3	Rajasthan	13248	16311	8225	10042
4	Delhi	4405	5136	564	545
5	Uttar Pradesh	22062	18685	10734	11973
6	Uttarakhand	2375	2108	694	463
7	Himachal Pradesh	1985	1936	474	302
8	Jammu & Kashmir	3311	2984	264	206
9	Chandigarh	266	258	0	0
10	ISGS/IPPs	105	105	18638	22308
	<b>Total NR</b>	<b>62206</b>	<b>62419</b>	<b>47511</b>	<b>54278</b>
II	<b>EASTERN REGION</b>				
1	Bihar	5063	4065	464	458
2	Jharkhand	1407	1559	410	365
3	Damodar Valley Corporation	3416	3284	5273	5244
4	Orissa	5269	4919	3608	3496
5	West Bengal	7175	6925	6049	5781
6	Sikkim	116	109	0	0
7	Bhutan	32	50	107	228
8	ISGS/IPPs	928	917	18890	15263
	<b>Total ER</b>	<b>23406</b>	<b>21828</b>	<b>34802</b>	<b>30835</b>
III	<b>WESTERN REGION</b>				
1	Maharashtra	24878	25141	15943	16380
2	Gujarat	18292	17984	6324	6349
3	Madhya Pradesh	15567	16371	6053	6073
4	Chattisgarh	4447	4465	1823	1592
5	DD & DNH	984	867	0	0
6	Goa-WR	660	554	0	0
7	ISGS/IPPs	2463	1937	53004	49159
	<b>Total WR</b>	<b>67290</b>	<b>67320</b>	<b>83147</b>	<b>79553</b>
IV	<b>SOUTHERN REGION</b>				
1	Andhra Pradesh	8005	10681	6952	8203
2	Telangana	10834	14680	5212	6980
3	Karnataka	12118	15214	6579	9390
4	Tamil Nadu	16381	16743	6524	9609
5	Kerala	4221	3432	1510	340
6	Pondy	493	494	0	0
7	Goa-SR	109	109	0	0
8	ISGS/IPPs	0	0	19847	21748
	<b>Total SR</b>	<b>52162</b>	<b>61353</b>	<b>46623</b>	<b>56270</b>
V	<b>NORTH-EASTERN REGION</b>				
1	Arunachal Pradesh	166	101	0	0
2	Assam	1441	1146	275	428
3	Manipur	262	139	0	0
4	Meghalaya	471	350	144	12
5	Mizoram	171	141	33	8
6	Nagaland	158	120	15	7
7	Tripura	369	318	190	187
8	ISGS/IPPs	0	0	3308	2557
	<b>Total NER</b>	<b>3038</b>	<b>2314</b>	<b>3964</b>	<b>3200</b>

	Total All India	208065	215177	215925	223878
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