

National Load Despatch Centre Total Transfer Capability for Sep 2024										
Issue Date:Sep 24 2024				Issue Time:18:09:52				Revision No :27		
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 Sep to 08 Sep	00:00 to 17:00	2000	60	1940	NA		0		
		17:00 to 21:00	1560	60	1500	NA		0		
		21:00 to 24:00	1940	60	1880	NA		0		
	09 Sep to 09 Sep	00:00 to 09:00	2000	60	1940	NA		0		
		09:00 to 17:00	1870	60	1810	NA		0		
		17:00 to 18:00	1870	60	1810	NA		0		
		18:00 to 21:00	1430	60	1370	NA		0		
		21:00 to 22:00	1430	60	1370	NA		0		
		22:00 to 24:00	2000	60	1940	NA		0		
	10 Sep to 11 Sep	00:00 to 18:00	2000	60	1940	NA		0		
		18:00 to 22:00	1620	60	1560	NA		0		
		22:00 to 24:00	2000	60	1940	NA		0		
	12 Sep to 12 Sep	00:00 to 08:00	2000	60	1940	NA		0		
		08:00 to 18:00	1870	60	1810	NA		0		
		18:00 to 22:00	1430	60	1370	NA		0		
		22:00 to 24:00	1870	60	1810	NA		0		
	13 Sep to 30 Sep	00:00 to 18:00	2000	60	1940	NA		0		
		18:00 to 22:00	1620	60	1560	NA		0		
		22:00 to 24:00	2000	60	1940	NA		0		
	ER-NR	01 Sep to 03 Sep	00:00 to 24:00	6700	400	6300	NA		0	
		04 Sep to 04 Sep	00:00 to 24:00	6350	400	5950	NA		0	
05 Sep to 05 Sep		00:00 to 09:00	6350	400	5950	NA		0		
		09:00 to 24:00	6000	400	5600	NA		0		
06 Sep to 09 Sep		00:00 to 24:00	6350	400	5950	NA		0		
10 Sep to 10 Sep		00:00 to 08:00	6700	400	6300	NA		0		
		08:00 to 24:00	6350	400	5950	NA		0		
11 Sep to 14	00:00 to 24:00	6350	400	5950	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
	Sep								
	15 Sep to 15 Sep	00:00 to 24:00	6350	400	5950	NA		0	
	16 Sep to 20 Sep	00:00 to 24:00	6400	400	6000	NA		0	
	21 Sep to 21 Sep	00:00 to 06:00	6400	400	6000	NA		0	
		06:00 to 24:00	5700	400	5300	NA		0	
	22 Sep to 23 Sep	00:00 to 24:00	5700	400	5300	NA		0	
	24 Sep to 24 Sep	00:00 to 24:00	5700	400	5300	NA		0	
	25 Sep to 25 Sep	00:00 to 24:00	6400	400	6000	NA		0	
	26 Sep to 26 Sep	00:00 to 08:00	6400	400	6000	NA		0	
		08:00 to 24:00	6200	400	5800	NA		-200	TTC/ATC Curtailed due to shutdown of 400KV-GAYA-CHANDWA-2
	27 Sep to 30 Sep	00:00 to 24:00	6400	400	6000	NA		0	
ER-SR	01 Sep to 05 Sep	00:00 to 24:00	6200	350	5850	NA		0	
	06 Sep to 06 Sep	00:00 to 09:00	6200	350	5850	NA		0	
		09:00 to 24:00	4300	350	3950	NA		0	
	07 Sep to 26 Sep	00:00 to 24:00	4300	350	3950	NA		0	
	27 Sep to 30 Sep	00:00 to 24:00	6200	350	5850	NA		0	
ER-W3	01 Sep to 30 Sep	00:00 to 24:00	No limit is being specified.						
ER-WR	01 Sep to 30 Sep	00:00 to 24:00	NA	NA		NA		0	
NER-ER	01 Sep to 30 Sep	00:00 to 24:00	3200	60	3140	NA		0	
NR-ER	01 Sep to 30 Sep	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 Sep to 22 Sep	00:00 to 06:00	6000	500	5500	NA		0	
		06:00 to 18:00	6000	500	5500	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
	23 Sep to 23 Sep	18:00 to 24:00	6000	500	5500	NA		0	
		00:00 to 09:00	6000	500	5500	NA		0	
	24 Sep to 24 Sep	09:00 to 24:00	5300	500	4800	NA		0	
		00:00 to 06:00	6000	500	5500	NA		0	
		06:00 to 18:00	6000	500	5500	NA		0	
	25 Sep to 25 Sep	18:00 to 24:00	6000	500	5500	NA		0	
		00:00 to 09:00	6000	500	5500	NA		0	
	26 Sep to 30 Sep	09:00 to 24:00	5400	500	4900	NA		0	
		00:00 to 24:00	6000	500	5500	NA		0	
	SR-ER	01 Sep to 30 Sep	00:00 to 24:00	No limit is being specified.					
SR-WR	01 Sep to 30 Sep	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 Sep to 30 Sep	00:00 to 24:00	NA	NA		NA		0	
W3-ER	01 Sep to 30 Sep	00:00 to 24:00	No limit is being specified.						
WR-ER	01 Sep to 30 Sep	00:00 to 24:00	5500	300	5200	NA		0	
WR-NR	01 Sep to 03 Sep	00:00 to 09:00	23600	1000	22600	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	23600	1000	22600	NA		0	
	04 Sep to 04 Sep	00:00 to 09:00	22150	1000	21150	NA		0	
		09:00 to 15:00	17000	1000	16000	NA		0	
		15:00 to 16:00	18100	1000	17100	NA		0	
		16:00 to 24:00	22150	1000	21150	NA		0	
	05 Sep to 05 Sep	00:00 to 09:00	23350	1000	22350	NA		0	
		09:00 to 15:00	14450	1000	13450	NA		0	
		15:00 to 16:00	15550	1000	14550	NA		0	
		16:00 to 24:00	20800	1000	19800	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 Sep to 09 Sep	00:00 to 09:00	22250	1000	21250	NA		0	
		09:00 to 15:00	15900	1000	14900	NA		0	
		15:00 to 16:00	17000	1000	16000	NA		0	
		16:00 to 24:00	22250	1000	21250	NA		0	
	10 Sep to 10 Sep	00:00 to 08:00	24800	1000	23800	NA		0	
		08:00 to 09:00	22250	1000	21250	NA		0	
		09:00 to 15:00	15900	1000	14900	NA		0	
		15:00 to 16:00	17000	1000	16000	NA		0	
		16:00 to 24:00	22250	1000	21250	NA		0	
	11 Sep to 14 Sep	00:00 to 09:00	22250	1000	21250	NA		0	
		09:00 to 15:00	15900	1000	14900	NA		0	
		15:00 to 16:00	17000	1000	16000	NA		0	
		16:00 to 24:00	22250	1000	21250	NA		0	
	15 Sep to 15 Sep	00:00 to 09:00	22250	1000	21250	NA		0	
		09:00 to 15:00	15900	1000	14900	NA		0	
		15:00 to 16:00	17000	1000	16000	NA		0	
		16:00 to 24:00	22250	1000	21250	NA		0	
	16 Sep to 20 Sep	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	
	21 Sep to 21 Sep	00:00 to 06:00	23950	1000	22950	NA		0	
		06:00 to 09:00	18850	1000	17850	NA		0	
		09:00 to 15:00	12500	1000	11500	NA		0	
		15:00 to 16:00	13600	1000	12600	NA		0	
		16:00 to 24:00	18850	1000	17850	NA		0	
	22 Sep to 23 Sep	00:00 to 09:00	18850	1000	17850	NA		0	
		09:00 to 15:00	12500	1000	11500	NA		0	
15:00 to 16:00		13600	1000	12600	NA		0		
16:00 to 24:00		18850	1000	17850	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
	24 Sep to 24 Sep	00:00 to 09:00	18850	1000	17850	NA		0	
		09:00 to 15:00	12500	1000	11500	NA		0	
		15:00 to 16:00	13600	1000	12600	NA		0	
		16:00 to 24:00	18850	1000	17850	NA		0	
	25 Sep to 25 Sep	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	
	26 Sep to 26 Sep	00:00 to 08:00	23950	1000	22950	NA		0	
		08:00 to 09:00	23750	1000	22750	NA		-200	TTC/ATC Curtailed due to shutdown of 400KV-GAYA-CHANDWA-2
		09:00 to 15:00	17400	1000	16400	NA		-200	
		15:00 to 16:00	18500	1000	17500	NA		-200	
		16:00 to 24:00	23750	1000	22750	NA		-200	
	27 Sep to 30 Sep	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		
WR-SR	01 Sep to 05 Sep	00:00 to 24:00	15900	650	15250	NA		0	
	06 Sep to 30 Sep	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.
- 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

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 Sep to 30 Sep	00:00 to 24:00	NA	NA		NA		0		
NER	01 Sep to 08 Sep	00:00 to 17:00	1500	60	1440	824	616	0		
		17:00 to 21:00	1120	60	1060	824	236	0		
		21:00 to 24:00	1500	60	1440	824	616	0		
	09 Sep to 09 Sep	00:00 to 09:00	1500	60	1440	824	616	0		
		09:00 to 17:00	1370	60	1310	824	486	0		
		17:00 to 18:00	1370	60	1310	824	486	0		
		18:00 to 21:00	930	60	870	824	46	0		
		21:00 to 22:00	930	60	870	824	46	0		
		22:00 to 24:00	1500	60	1440	824	616	0		
	10 Sep to 11 Sep	00:00 to 18:00	1500	60	1440	824	616	0		
		18:00 to 22:00	1120	60	1060	824	236	0		
		22:00 to 24:00	1500	60	1440	824	616	0		
	12 Sep to 12 Sep	00:00 to 08:00	1500	60	1440	824	616	0		
		08:00 to 18:00	1370	60	1310	824	486	0		
		18:00 to 22:00	930	60	870	824	46	0		
		22:00 to 24:00	1370	60	1310	824	486	0		
	13 Sep to 30 Sep	00:00 to 18:00	1500	60	1440	824	616	0		
		18:00 to 22:00	1120	60	1060	824	236	0		
		22:00 to 24:00	1500	60	1440	824	616	0		
	NR	01 Sep to 03 Sep	00:00 to 09:00	27200	1400	25800	17344	8456	0	
			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	27200	1400	25800	17344	8456	0	
		04 Sep to 04 Sep	00:00 to 09:00	25400	1400	24000	17344	6656	0	
09:00 to 15:00			17850	1400	16450	17344	0	0		
15:00 to 16:00			18950	1400	17550	17344	206	0		
16:00 to 24:00			25400	1400	24000	17344	6656	0		
05 Sep to 05 Sep		00:00 to 09:00	26600	1400	25200	17344	7856	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
		09:00 to 15:00	14950	1400	13550	17344	0	0	
		15:00 to 16:00	16050	1400	14650	17344	0	0	
		16:00 to 24:00	23700	1400	22300	17344	4956	0	
	06 Sep to 09 Sep	00:00 to 09:00	25500	1400	24100	17344	6756	0	
		09:00 to 15:00	16750	1400	15350	17344	0	0	
		15:00 to 16:00	17850	1400	16450	17344	0	0	
		16:00 to 24:00	25500	1400	24100	17344	6756	0	
	10 Sep to 10 Sep	00:00 to 08:00	28400	1400	27000	17344	9656	0	
		08:00 to 09:00	25500	1400	24100	17344	6756	0	
		09:00 to 15:00	16750	1400	15350	17344	0	0	
		15:00 to 16:00	17850	1400	16450	17344	0	0	
		16:00 to 24:00	25500	1400	24100	17344	6756	0	
	11 Sep to 14 Sep	00:00 to 09:00	25500	1400	24100	17344	6756	0	
		09:00 to 15:00	16750	1400	15350	17344	0	0	
		15:00 to 16:00	17850	1400	16450	17344	0	0	
		16:00 to 24:00	25500	1400	24100	17344	6756	0	
	15 Sep to 15 Sep	00:00 to 09:00	25500	1400	24100	17344	6756	0	
		09:00 to 15:00	16750	1400	15350	17344	0	0	
		15:00 to 16:00	17850	1400	16450	17344	0	0	
		16:00 to 24:00	25500	1400	24100	17344	6756	0	
	16 Sep to 20 Sep	00:00 to 09:00	27250	1400	25850	17344	8506	0	
09:00 to 15:00		18500	1400	17100	17344	0	0		
15:00 to 16:00		19600	1400	18200	17344	856	0		
16:00 to 24:00		27250	1400	25850	17344	8506	0		
21 Sep to 21 Sep	00:00 to 06:00	27250	1400	25850	17344	8506	0		
	06:00 to 09:00	21450	1400	20050	17344	2706	0		
	09:00 to 15:00	12700	1400	11300	17344	0	0		
	15:00 to 16:00	13800	1400	12400	17344	0	0		
	16:00 to 24:00	21450	1400	20050	17344	2706	0		
22 Sep to 23	00:00 to 09:00	21450	1400	20050	17344	2706	0		

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	Sep	09:00 to 15:00	12700	1400	11300	17344	0	0	
		15:00 to 16:00	13800	1400	12400	17344	0	0	
		16:00 to 24:00	21450	1400	20050	17344	2706	0	
	24 Sep to 24 Sep	00:00 to 09:00	21450	1400	20050	17344	2706	0	
		09:00 to 15:00	12700	1400	11300	17344	0	0	
		15:00 to 16:00	13800	1400	12400	17344	0	0	
		16:00 to 24:00	21450	1400	20050	17344	2706	0	
	25 Sep to 25 Sep	00:00 to 09:00	27250	1400	25850	17344	8506	0	
		09:00 to 15:00	18500	1400	17100	17344	0	0	
		15:00 to 16:00	19600	1400	18200	17344	856	0	
		16:00 to 24:00	27250	1400	25850	17344	8506	0	
	26 Sep to 26 Sep	00:00 to 08:00	27250	1400	25850	17344	8506	0	
		08:00 to 09:00	26850	1400	25450	17344	8106	-400	TTC/ATC Curtailed due to shutdown of 400KV-GAYA-CHANDWA-2
		09:00 to 15:00	18100	1400	16700	17344	0	-400	
		15:00 to 16:00	19200	1400	17800	17344	456	-400	
		16:00 to 24:00	26850	1400	25450	17344	8106	-400	
	27 Sep to 30 Sep	00:00 to 09:00	27250	1400	25850	17344	8506	0	
		09:00 to 15:00	18500	1400	17100	17344	0	0	
		15:00 to 16:00	19600	1400	18200	17344	856	0	
		16:00 to 24:00	27250	1400	25850	17344	8506	0	
SR	01 Sep to 05 Sep	00:00 to 24:00	22100	1000	21100	7601	13499	0	
	06 Sep to 06 Sep	00:00 to 09:00	22300	1000	21300	7601	13699	0	
		09:00 to 24:00	20400	1000	19400	7601	11799	0	
	07 Sep to 26 Sep	00:00 to 24:00	20400	1000	19400	7601	11799	0	
	27 Sep to 30 Sep	00:00 to 24:00	22300	1000	21300	7601	13699	0	
WR	01 Sep to 30 Sep	00:00 to 24:00	NA	NA	NA	NA	0		

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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 Sep to 30 Sep	00:00 to 24:00	NA	NA		NA		0	
NER	01 Sep to 30 Sep	00:00 to 24:00	3200	60	3140	NA		0	
NR	01 Sep to 22 Sep	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	
	23 Sep to 23 Sep	00:00 to 09:00	6000	500	5500	NA		0	
		09:00 to 24:00	5300	500	4800	NA		0	
	24 Sep to 24 Sep	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	
	25 Sep to 25 Sep	00:00 to 09:00	6000	500	5500	NA		0	
		09:00 to 24:00	5400	500	4900	NA		0	
	26 Sep to 30 Sep	00:00 to 24:00	6000	500	5500	NA		0	
	SR	01 Sep to 05 Sep	00:00 to 24:00	6400	650	5750	NA		0
06 Sep to 06 Sep		00:00 to 06:00	6400	650	5750	NA		0	
		06:00 to 09:00	6400	650	5750	NA		0	
		09:00 to 18:00	7100	650	6450	NA		0	
		18:00 to 24:00	7200	650	6550	NA		0	
07 Sep to 26 Sep		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	
27 Sep to 30 Sep		00:00 to 24:00	6400	650	5750	NA		0	
WR		01 Sep to 30 Sep	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.
- 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 Centers 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	0-27
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	0-27
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	0-27
ER-NR	Inter-regional flow pattern towards NR	0-27
WR-SR	Outage of any one of the 2x1500 MVA, 765/400 kV ICTs at Maheswaram overloads the other ICT	0-27
ER-SR	1. Low Voltage at Gazuwaka (East) Bus.	0-27
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 ICT. 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 f) Restriction in power order of HVDC Gazuwaka(SR to ER) to maximum set point of 700 MW for solar hrs and 500 MW for non-solar hrs against the rated capacity of 1000 MW	0-27
ER-NER	Outage of 400 kV Bongaigaon - Azara line will lead to the high Loading of 220 kV Balipara-Sonabil - 1 & 2	0-27
NER-ER	N-1 contingency of 400 kV Bongaigaon-Alipurduar I or II will lead to High Loading of 400 kV Bongaigaon- New Siliguri I & II	0-27
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 Centers 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	0-27
NR_EXPORT	Outage of the longer circuit from 400 kV Kankroli to Zerda (Bypassed at Bhinmal) will overload the shorter circuit (Direct Line)	0-27
NER_IMPORT	Outage of 400 kV Bongaigaon - Azara line will lead to the high Loading of 220 kV Balipara-Sonabil - 1 & 2	0-27
NER_EXPORT	N-1 contingency of 400 kV Bongaigaon-Alipurduar I or II will lead to High Loading of 400 kV Bongaigaon- New Siliguri I & II	0-27
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	0-27
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 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 f) Restriction in power order of HVDC Gazuwaka(SR to ER) to maximum set point of 700 MW for solar hrs and 500 MW for non-solar hrs against the rated capacity of 1000 MW	0-27

Revision Summary

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
1	28 Dec	01 Sep to 30 Sep	Change in T-GNA Margin due to grant of additional 174 MW GNA to Uttar Pradesh from outside Northern Region	NR_IMPORT
		01 Sep to 30 Sep	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 Sep to 30 Sep	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR	WR-NR
		01 Sep to 30 Sep	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR	ER-NR
		01 Sep to 30 Sep	TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB	WR-SR
		01 Sep to 30 Sep	TTC/ATC increased with the Commissioning of 765/400 kV, 1500 MVA ICT - 3 at Nizamabad and Change in LGB	ER-SR
		01 Sep to 30 Sep	TTC/ATC revised in view of change in load generation balance and inter-regional flow pattern towards NR	NR_IMPORT
		01 Sep to 30 Sep	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 Sep to 30 Sep	Revised T-GNA margin due to approval of 500 MW GNA for Andhra Pradesh from Outside Southern Region	SR_IMPORT
4	28 Mar	01 Sep to 30 Sep	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

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		01 Sep to 30 Sep	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 Sep to 30 Sep	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 Sep to 30 Sep	Revised T-GNA margin due to approval of 25 MW GNA for Goa from Outside Western Region	WR_IMPORT
		01 Sep to 30 Sep	Revised T-GNA margin due to approval of 500 MW GNA for Karnataka from Outside Southern Region	SR_IMPORT
		01 Sep to 30 Sep	Revised T-GNA margin due to approval of 24 MW GNA for West Bengal from Outside Eastern Region	ER_IMPORT
6	30 Aug	01 Sep to 30 Sep	TTC/ATC revised due to shifting of Rihand-III generators to NR and Change in Load Generation Balance & inter-regional flow pattern.	WR-NR
		01 Sep to 30 Sep	TTC-ATC revised in WR-SR/SR Import by 200/200 MW due to the shutdown of 765KV-CUDDAPAH-THIRUVALAM-1 & 2	WR-SR
		01 Sep to 30 Sep	Due to change in LGB and HVDC set points	SR-WR
		01 Sep to 30 Sep	Due to change in LGB	ER-NER
		01 Sep to 30 Sep	TTC/ATC revised due to shifting of Rihand-III generators to NR and Change in Load Generation Balance & inter-regional flow pattern.	NR_IMPORT
		01 Sep to 30 Sep	Due to change in LGB	NER_IMPORT
		01 Sep to 30 Sep	TTC-ATC revised in WR-SR/SR Import by 200/200 MW due to the shutdown of 765KV-CUDDAPAH-THIRUVALAM-1 & 2	SR_IMPORT
		01 Sep to 30 Sep	Due to change in LGB	NER_EXPORT
		01 Sep to 30 Sep	TTC/ATC of SR-WR/SR Export has been revised based on the change in LGB and HVDC set points	SR_EXPORT
7	01 Sep	04 Sep to 04 Sep	Due to the shutdown of HVDC500KV-TALCHER-KOLAR_DC-1 & 2	ER-SR
		04 Sep to 04 Sep	Due to the shutdown of HVDC500KV-TALCHER-KOLAR_DC-1 & 2	SR_IMPORT
8	01 Sep	03 Sep to 03 Sep	Due to the shutdown of HVDC500KV-TALCHER-KOLAR_DC-1 & 2	ER-SR
		03 Sep to 03 Sep	Due to the shutdown of HVDC500KV-TALCHER-KOLAR_DC-1 & 2	SR_IMPORT
9	02 Sep	03 Sep to 03 Sep	Due to the deferral of the shutdown of HVDC500KV-TALCHER-KOLAR_DC-1 & 2	ER-SR
		03 Sep to 03 Sep	Due to the deferral of the shutdown of HVDC500KV-TALCHER-KOLAR_DC-1 & 2	SR_IMPORT
10	02 Sep	04 Sep to 10 Sep	Due to the non-availability of HVDC Mundra Mahendragarh	WR-NR
		04 Sep to 10 Sep	Due to the non-availability of HVDC Mundra Mahendragarh	ER-NR
		04 Sep to 10 Sep	Due to the non-availability of HVDC Mundra Mahendragarh	NR_IMPORT
11	03 Sep	05 Sep to 05 Sep	Due to shutdown of HVDC 800 KV HVDC KURUKSHETRA(PG) POLE-1 & 2	WR-NR
		05 Sep to 05 Sep	Due to shutdown of HVDC 800 KV HVDC KURUKSHETRA(PG) POLE-1 & 2	ER-NR
		05 Sep to 05 Sep	Due to shutdown of HVDC 800 KV HVDC KURUKSHETRA(PG) POLE-1 & 2	NR_IMPORT
12	04 Sep	05 Sep to 05 Sep	TTC/ATC revised due to change in LGB	WR-NR
		05 Sep to 05 Sep	TTC/ATC revised due to change in LGB	NR_IMPORT
13	04 Sep	05 Sep to 05 Sep	TTC/ATC revised due to change in LGB	WR-NR
		05 Sep to 05 Sep	TTC/ATC revised due to change in LGB	NR_IMPORT

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
14	04 Sep	06 Sep to 30 Sep	Due to restoration of 765KV-CUDDAPAH-THIRUVALAM-1 & 2.	WR-SR
		06 Sep to 06 Sep	Due to shutdown of Talcher-Kolar pole 1&2	ER-SR
		06 Sep to 06 Sep	Due to restoration of 765KV-CUDDAPAH-THIRUVALAM-1 & 2.	SR_IMPORT
		06 Sep to 06 Sep	Due to shutdown of Talcher-Kolar pole 1&2	SR_IMPORT
15	05 Sep	06 Sep to 09 Sep	TTC/ATC revised due to deblocking of HVDC Mundra Mahendragarh	WR-NR
		06 Sep to 09 Sep	TTC/ATC revised due to deblocking of HVDC Mundra Mahendragarh	ER-NR
		06 Sep to 09 Sep	TTC/ATC revised due to deblocking of HVDC Mundra Mahendragarh	NR_IMPORT
		06 Sep to 26 Sep	TTC/ATC revised due to shutdown of HVDC Talcher Kolar bipole	SR_EXPORT
16	05 Sep	06 Sep to 06 Sep	TTC/ATC revised due to change in start time of shutdown of HVDC Talcher Kolar bipole	SR_EXPORT
17	07 Sep	09 Sep to 09 Sep	TTC-ATC curtailed due to the shutdown of 400kV Bongaigaon - Byrnihat line	ER-NER
		09 Sep to 09 Sep	TTC-ATC curtailed due to the shutdown of 400kV Bongaigaon - Byrnihat line	NER_IMPORT
18	08 Sep	10 Sep to 10 Sep	TTC/ATC curtailed due to shutdown of 800 KV HVDC KURUKSHETRA(PG) POLE-03 & 04	WR-NR
		10 Sep to 10 Sep	TTC/ATC curtailed due to shutdown of 800 KV HVDC KURUKSHETRA(PG) POLE-03 & 04	ER-NR
		10 Sep to 10 Sep	TTC/ATC curtailed due to shutdown of 800 KV HVDC KURUKSHETRA(PG) POLE-03 & 04	NR_IMPORT
19	10 Sep	12 Sep to 12 Sep	Due to Shutdown of 400KV MIRZA-BONGAIGAON	ER-NER
		12 Sep to 12 Sep	Due to Shutdown of 400KV MIRZA-BONGAIGAON	NER_IMPORT
20	13 Sep	15 Sep to 15 Sep	Due to shutdown of 800 KV HVDC KURUKSHETRA(PG) POLE-3 & 4	WR-NR
		15 Sep to 15 Sep	Due to shutdown of 800 KV HVDC KURUKSHETRA(PG) POLE-3 & 4	ER-NR
		15 Sep to 15 Sep	Due to shutdown of 800 KV HVDC KURUKSHETRA(PG) POLE-3 & 4	NR_IMPORT
21	15 Sep	16 Sep to 30 Sep	Due to forced outage of 765 kV Agra Gwalior ckt 1	WR-NR
		16 Sep to 30 Sep	Due to forced outage of 765 kV Agra Gwalior ckt 1	ER-NR
		16 Sep to 30 Sep	Due to forced outage of 765 kV Agra Gwalior ckt 1	NR_IMPORT
22	19 Sep	21 Sep to 21 Sep	Due to shutdown of HVDC Champa- Kurukshetra Pole-1,2,3,&4	WR-NR
		21 Sep to 21 Sep	Due to shutdown of HVDC Champa- Kurukshetra Pole-1,2,3,&4	ER-NR
		21 Sep to 21 Sep	Due to shutdown of HVDC Champa- Kurukshetra Pole-1,2,3,&4	NR_IMPORT
23	21 Sep	23 Sep to 23 Sep	Due to the shutdown of 765 kV Indore - Vadodara S/C	NR-WR
		23 Sep to 23 Sep	Due to the shutdown of 765 kV Indore - Vadodara S/C	NR_EXPORT
24	21 Sep	23 Sep to 23 Sep	Due to the shutdown of 765 kV Indore - Vadodara S/C	NR-WR
		23 Sep to 23 Sep	Due to the shutdown of 765 kV Indore - Vadodara S/C	NR_EXPORT
25	22 Sep	23 Sep to 23 Sep	0	NR-WR
		24 Sep to 24 Sep	Due to shutdown of HVDC Champa-Kurukshetra Pole-1,2,3,&4	WR-NR

Revision	Date Of Revision	Period Of Revision	Reason for Revision/Comment	Corridor Affected
		24 Sep to 24 Sep	Due to shutdown of HVDC Champa-Kurukshetra Pole-1,2,3,&4	ER-NR
		24 Sep to 24 Sep	Due to shutdown of HVDC Champa-Kurukshetra Pole-1,2,3,&4	NR_IMPORT
		23 Sep to 23 Sep	0	NR_EXPORT
26	24 Sep	25 Sep to 25 Sep	TTC/ATC Curtailed due to shutdown of 765 kV Indore Vadodara	NR-WR
		25 Sep to 25 Sep	TTC/ATC Curtailed due to shutdown of 765 kV Indore Vadodara	NR_EXPORT
27	24 Sep	26 Sep to 26 Sep	TTC/ATC Curtailed due to shutdown of 400KV-GAYA-CHANDWA-2	WR-NR
		26 Sep to 26 Sep	TTC/ATC Curtailed due to shutdown of 400KV-GAYA-CHANDWA-2	ER-NR
		26 Sep to 26 Sep	TTC/ATC Curtailed due to shutdown of 400KV-GAYA-CHANDWA-2	NR_IMPORT

ASSUMPTIONS IN BASECASE					
Month : Sep'24					
S.No.	Name of State/Area	Demand		Generation	
		Non-Solar Peak(MW)	Solar Peak (MW)	Non-Solar Peak(MW)	Solar Peak (MW)
I	NORTHERN REGION				
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
	Total NR	62206	62419	47511	54278
II	EASTERN REGION				
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
	Total ER	23406	21828	34802	30835
III	WESTERN REGION				
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
	Total WR	67290	67320	83147	79553
IV	SOUTHERN REGION				
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
	Total SR	52162	61353	46623	56270
V	NORTH-EASTERN REGION				
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
	Total NER	3038	2314	3964	3200
	Total All India	208065	215177	215925	223878