List of Connectivity Margin in ISTS Substations available by Mar-27 (all fig. in MW, as on 29-02-2024)

Sr. No.	Pooling Station	State	RE Potential (MW)			Expected CoD of Pooling Station	Connectivity Granted/ Agreed			Connectivity Under Process			Margin for Connectivity			Additional Margin for Connectivity requiring ICT Augmentation / additional Tr. System			Effectiveness of GNA for Capacity mentioned under "Margin for Connectivity"
			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
Northern Region																			
A. Existing RE Pooling Stations																			
1	**Bhadla Complex**	**Rajasthan**	**8430**	**0**	**8430**	**Existing**	**7325**	**2000**	**9325**	**0**	**0**	**0**	**200**	**0**	**200**	**0**	**0**	**0**	**4755MW: Existing 1470MW: Sep'24 : (Ph-II Part-D) 1600MW: Sep'24 (Ph-II Part-E) 1700MW:Mar'25 onwards (Ph-III) (upto Apr'26)**
a	Bhadla	Rajasthan	3380	0	3380	Existing	3580	0	3580	0	0	0	0	0	0	**0**	**0**	**0**	Existing Tr. System
b	Bhadla-II*	Rajasthan	5050	0	5050	Existing	3745	2000	5745	0	0	0	200	0	200	**0**	**0**	**0**	1175MW: Existing 1470MW: Sep'24 : (Ph-II Part-D) 1600MW: Sep'24 (Ph-II Part-E) 1700MW: Mar'25 onwards (Ph-III) (upto Apr'26)
2	**Fatehgarh Complex**	**Rajasthan**	**9600**	**0**	**9600**	**Existing**	**6940**	**2200**	**9140**	**320**	**850**	**1170**	**0**	**0**	**0**	**0**	**0**	**0**	**5140MW: Existing 200MW: Jun'24 (Ph-II Part-B1) 2500MW: Sep'24 (Ph-II Part-D) 1800MW: Sep'24 (Ph-II Part-E) (upto Apr'26)**
a	Fatehgarh	Rajasthan	2200	0	2200	Existing	0	2200	2200	0	0	0	0	0	0	**0**	**0**	**0**	Existing Tr. System
b	Fatehgarh-II**	Rajasthan	5500	0	5500	Existing	4460	0	4460	320	850	1170	0	0	0	**0**	**0**	**0**	2940MW: Existing 720MW: Sep'24 (Ph-II-D) 1800MW: Sep'24 (Ph II-E) (upto Apr'26) Connectivity can only be accommodated upto 5460MW. Connectivity more than 5460MW shall be adjusted at nearest Pooling Station based on margin availbility and application priority.
c	Fatehgarh-III (Section-I)	Rajasthan	1900	0	1900	Existing	2480	0	2480	0	0	0	0	0	0	0	0	0	200MW: Jun'24 (Ph-II) 1780MW: Sep'24(Ph-II) Including 2x250MW BESS granted at Fatehgarh-III (Section-I)
3	**(Bikaner Complex) Bikaner**	**Rajasthan**	**1850**	**0**	**1850**	**Existing**	**1235**	**2940**	**4175**	**0**	**0**	**0**	**0**	**50**	**50**	**0**	**0**	**0**	**2865MW: Existing 110MW: Mar'24 (Ph-II-G) 300MW : May'24 (Bhin bypass) 370MW: 4th ICT Bikaner (May'24) 580MW: Dec'25 (upto Apr'26) (Ph-IV Part-I &II)**
	Sub-Total (Existing)		**19880**	**0**	**19880**		**15500**	**7140**	**22640**	**320**	**850**	**1170**	**200**	**50**	**250**	**0**	**0**	**0**	
B. Commissioning between Jan'24 - Jun'24																			
1	**(Bikaner Complex) Bikaner-II**	**Rajasthan**	**2000**	**0**	**2000**	**2x500MVA, 400/220kV ICT at Bikaner-II PS: Existing 1x500MVA, 400/220kV ICT: Mar'24**	**1000**	**1000**	**2000**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**300MW: May'24 (Bhinmal - Zerda) 1527MW : Dec'24 (4th Bikaner ICT) 173MW: Dec'25 (Upto Apr'26) (Ph-IV Part-I)**
C. Commissioning between Jul'24 - Jun'25																			
1	**(Bhadla Complex) Bhadla-III***	**Rajasthan**	**2500**	**0**	**2500**	**Mar'25 (3x500MVA, 400/220kV ICT & 2x1500MVA, 765/400kV ICT)**	**1500**	**1000**	**2500**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**33700MW : Mar'25 onwards (Upto Apr'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (Apr'28 Pole-1 & Oct'28 Pole-2)**

List of Connectivity Margin in ISTS Substations available by Mar-27 (all fig. in MW, as on 29-02-2024)

Sr. No.	Pooling Station	State	RE Potential (MW)			Expected CoD of Pooling Station	Connectivity Granted/ Agreed			Connectivity Under Process			Margin for Connectivity			Additional Margin for Connectivity requiring ICT Augmentation / additional Tr. System			Effectiveness of GNA for Capacity mentioned under "Margin for Connectivity"
			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
2	Fatehgarh Complex	Rajasthan	7333	0	7333	Fatehgarh-III (Section-II): Feb'25 Fatehgarh-IV (Section-I): Feb'25	4095	2800	6895	0	0	0	50	0	50	0	0	0	Feb'25 onwards (Ph-III) (Upto Apr'26)
a	Fatehgarh-III (Section-II)	Rajasthan	5233	0	5233	Feb'25	2070	2800	4870	0	0	0	50	0	50	0	0	0	Feb'25 onwards- (Ph-III) (Upto Apr'26)
b	Fatehgarh-IV (Section-I)*	Rajasthan	2100	0	2100	Feb'25	2025	0	2025	0	0	0	0	0	0	0	0	0	Feb'25 onwards (Ph-III) (Upto Apr'26)
3	(Bikaner Complex) Bikaner-II	Rajasthan	5000	3000	2000	400kV BikanerII PS: Existing 5x500MVA, 400/220kV ICT: Dec'24 1x500MVA, 400/220kV ICT: Jan'25	2785	0	2785	0	0	0	675	0	675	0	0	0	3260MW: Dec'25 (Upto Apr'26) (Ph-IV Part-I) (The Commission directed the CTUIL not to allocate 675MW at Bikaner- II PS to any other entity till outocme of the petition 114/MP/2023)
4	(Ramgarh Complex) Ramgarh	Rajasthan	4000	0	4000	Mar'25	0	650	650	600	0	600	1400	250	1650	200	900	1100	650MW : Mar'25 onwards (Upto Apr'26): 650MW-2900MW : Bhadla HVDC (Apr'28 Pole-1 & Oct'28 Pole-2) Beyond 2900MW : additional corridor would be required
	Sub-Total (June'24 to Jun'25)		13833	0	13833		8380	4450	12830	600	0	600	2125	250	2375	200	900	1100	
	Sub-Total NR (By Jun'25)		33713	0	33713		24880	12590	37470	920	850	1770	2325	300	2625	200	900	1100	

List of Connectivity Margin in ISTS Substations available by Mar-27 (all fig. in MW, as on 29-02-2024)

Sr. No.	Pooling Station	State	RE Potential (MW)			Expected CoD of Pooling Station	Connectivity Granted/ Agreed			Connectivity Under Process			Margin for Connectivity			Additional Margin for Connectivity requiring ICT Augmentation / additional Tr. System			Effectiveness of GNA for Capacity mentioned under "Margin for Connectivity"
			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
D. Commissioning between Jul-25 to Dec-25																			
1	(Bhadla Complex) Bhadla-III*	Rajasthan	1000	0	1000	Sep'25 (2x500MVA, 400/220kV ICT & 2x1500MVA, 765/400kV ICT)	1000	0	1000	0	0	0	0	0	0	0	0	0	3700MW : Mar'25 onwards (Upto Apr'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (Apr'28 Pole-1 & Oct'28 Pole-2)
2	(Bikaner Complex) Bikaner-III	Rajasthan	7000	3000	4000	Dec'25	2267	2400	4667	0	0	0	0	0	0	0	0	0	4000MW: Dec'25 (Ph-IV, Part-I) (Upto Apr'26) 667MW: Bikaner-IV tr. System with Sep'26 schedule (out of total 4667 MW, about 900 MW was earlier reallocated from Bikaner-IV to Bikaner-III -matter subjudice; margin shall be subject to outcome of court proceedings)*
3	(Fatehgarh Complex) Fatehgarh-III (Section-II)*	Rajasthan	767	0	767	Feb'25	0	767	767	0	0	0	0	0	0	0	0	0	Feb'25 onwards- (Ph-III) (Upto Apr'26)
	Sub-Total (Jul'25 to Dec'25)		7000	3000	4000		3267	3167	6434	0	0	0	0	0	0	0	0	0	
E. Commissioning between Jan-26 to Mar-27																			
1	(Fatehgarh Complex) Fatehgarh-IV (Section-II)	Rajasthan	9000	4000	5000	Apr'26	3480	1500	4980	0	0	0	0	0	0	0	0	0	RE Potential : 9GW (Wind:3GW, Solar:6GW) 4000MW: Apr'26 (Ph-IV, Part-II) For evacuation of balance 1050MW at Fatehgarh-IV (Sec-2), additional Tr. System under planning (sch.Sep'26 onwards). About 100 MW earlier reallocated from Barmer-I to Fathegarh-IV - matter subjudice;margin shall be subject to outcome of court proceedings).
2	(Barmer Complex) Barmer-I	Rajasthan	5500	1500	4000	Apr'26	3050	0	3050	2580	1713	4293	0	0	0	0	0	0	RE Potential: 5.5GW (Wind:1.5GW, Solar:4GW), About 1.5GW: Apr'26 (Ph-IV, Part-II) For evacuation of >1.5GW (upto 4GW) power at Barmer-I, additional Tr. System under approval (sch.Sep'26 onwards). For application of >4GW, connectvity will be provided to Barmer-II PS for which system is under planning (sch.upto Apr'29). About 100 MW earlier reallocated from Barmer-I to Fathegarh-IV -matter subjudice; margin shall be subject to outcome of court proceedings
3	(Bikaner Complex) Bikaner-IV*	Rajasthan	6000	0	6000	Sep'26	2350	2450	4800	1086	2000	3086	0	0	0	0	0	0	Comprehensive Transmission scheme for Bikaner-IV PS (6GW was reviewed and under approval (Sch. -Sep'26). For Bik-IV >6GW, connectvity will be provided to Bikaner-V PS for which system is under planning (sch.upto Apr'29). About 900 MW earlier reallocated from Bikaner-IV to Bikaner-III -matter subjudice; margin shall be subject to outcome of court proceedings

List of Connectivity Margin in ISTS Substations available by Mar-27 (all fig. in MW, as on 29-02-2024)

Sr. No.	Pooling Station	State	RE Potential (MW)			Expected CoD of Pooling Station	Connectivity Granted/ Agreed			Connectivity Under Process			Margin for Connectivity			Additional Margin for Connectivity requiring ICT Augmentation / additional Tr. System			Effectiveness of GNA for Capacity mentioned under "Margin for Connectivity"
			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
3	Sirohi	Rajasthan	3000	1000	2000	Apr'26	0	0	0	700	0	700	0	0	0	300	1000	1300	Tr. System to be reviewed & finalzed for 2GW evacuation (sch.upto Feb'29). Presently 400kV level under bidding; 220kV level if required shall have to be taken up for apporval seperately
4	Bhadla Complex (Bhadla-III Section linked to Bhadla HVDC station & system)*	Rajasthan	3000	0	3000	Apr'28 to Oct'28 (5x500MVA, 400/220kV ICT)	1550	850	2400	0	0	0	600	0	600	0	0	0	33700MW : Mar'25 onwards (Upto Mar'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (Apr'28 Pole-1 & Oct'28 Pole-2) [600 MW margin (2 nos. 220kV bay) reserved - reallocation matter subjudice, total quantum at Bhadla-III exceeded 6500 MW;)
5	Bhadla Complex (Bhadla-IV*)	Rajasthan	4000	2000	2000	Oct'28 to Apr'29	400	0	400	0	1800	1800	0	0	0	0	0	0	HVDC Corridor is planned for total 6 GW capacity (combinedly for Bhadla-IV & Bikaner-V, margins to be allocated on first cum serve for both complexes together)
6	Pang (Leh)	Ladakh	13000	0	13000	2028-29	0	0	0	0	0	0	0	13000	13000	0	0	0	Leh - Ensviaged RE Capacity (13 GW) for connnectivity in Ladakh including Solar, Wind & BESS. However, net evacaution capacity of HVDC tr. system is 5000MW. Connectivity applications in Ladakh are awaited.
	Sub-Total NR (Beyond Dec'25)		43500	8500	35000		10830	4800	15630	4366	5513	9879	600	13000	13600	300	1000	1300	
Total (NR)			84213	11500	72713		38977	20557	59534	5286	6363	11649	2925	13300	16225	500	1900	2400	
Southern Region																			
A. Existing RE Pooling Stations																			
1	NP Kunta	Andhra Pradesh	1500	0	1500	Existing	1700	0	1700	0	0	0	0	0	0	100	0	100	1500 MW : Existing Tr. System 300 MW: 5th ICT (identified)
2	Pavagada	Karnataka	2050	0	2050	Existing	2550	0	2550	0	0	0	0	0	0	0	0	0	2050 MW : Existing Tr. System 500 MW : Mar'24 : 6th ICT & Jul'24 : Narendra-Pune
3	Tuticorin-II GIS (erstwhile Tirunelvelli (PG))	Tamil Nadu	2500	0	2500	Existing	2170		2170	0	0	0	330	0	330				540 MW: Sept/Oct'23 : 4th ICT 300 MW: Jul'24 : Narendra-Pune 330 MW: Dec'25 : 6th ICT for N-1 Margins are on existing already allocated bays through sharing
4	Koppal PS	Karnataka	2500	0	2500	Existing	2753	0	2753	0	0	0	0	0	0				1260 MW : Existing Tr. System 1493 MW: Jul'24 : Narendra-Pune 300 MW opted for surrender under GNA.
5	Karur PS (Phase-1)	Tamil Nadu	1000	0	1000	Existing	918	0	918	0	0	0	0	0	0				100 MW : Existing Tr. System 518 MW: Jul'24 : Narendra-Pune
	Sub-Total (Existing)		9550	0	9550		10091	0	10091	0	0	0	330	0	330	100	0	100	
B. Commissioning between Jan'24 - Jun'24																			
6	Gadag PS	Karnataka	2500	0	2500	Mar'24	2385	0	2385	0	0	0	0	0	0				460 MW : Existing Tr. System 1925 MW: Jul'24 : Narendra-Pune
	Sub-Total (Jan'24-Jun'24)		2500	0	2500		2385	0	2385	0	0	0	0	0	0	0	0	0	

List of Connectivity Margin in ISTS Substations available by Mar-27 (all fig. in MW, as on 29-02-2024)

Sr. No.	Pooling Station	State	RE Potential (MW)			Expected CoD of Pooling Station	Connectivity Granted/ Agreed			Connectivity Under Process			Margin for Connectivity			Additional Margin for Connectivity requiring ICT Augmentation / additional Tr. System			Effectiveness of GNA for Capacity mentioned under "Margin for Connectivity"
			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-B]		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
C. Commissioning between Jul'24 - Jun'25																			
7	**Ananthapuram/ Kurnool complex**	**Andhra Pradesh**	**4500**	**0**	**4500**	**Nov'24**	**1990**	**1400**	**3390**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**Nov'24**
a	Kurnool-III PS	**Andhra Pradesh**	4500	0	4500	Nov'24	1990	1400	3390	**0**	**0**	**0**	0	0	0				Nov'24
	Sub-Total (June'24 to June'25)		**4500**	**0**	**4500**		**1990**	**1400**	**3390**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Sub-Total SR (by June'25)		**16550**	**0**	**16550**	**0**	**14466**	**1400**	**15866**	**0**	**0**	**0**	**330**	**0**	**330**	**100**	**0**	**100**	
D. Commissioning between Jul-25 to Dec-25																			
8	**Karur PS (with transformer augmentation under Phase-II)**	**Tamil Nadu**	**1500**	**0**	**1500**	**2025-26**	**482**	**0**	**482**	**0**	**0**	**0**	**100**		**100**	**500**	**0**	**500**	*5th ICT to be taken-up*
9	**Koppal-II/ Gadag-II Complex**	**Karnataka**	**8000**	**2000**	**6000**	**2025-26**	**7603**	**1800**	**9403**	**140**	**0**	**140**	**0**	**0**	**0**	**0**	**0**	**0**	**2025-26** **Applications for 40 MW shall only be considered for grant, out of under process applications at Koppal-II/Gadag-II and Koppal-II/Gadag-II shall be closed for all purposes.**
a	Koppal-II PS	**Karnataka**	4000	1000	3000	Dec'25	4127	0	4127	140	0	140	0	0	0	0		0	Dec'25
b	Gadag-II PS	**Karnataka**	4000	1000	3000	Dec'25	3476	1800	5276	0	0	0	0	0	0	0		0	Dec'25
10	**Ananthapuram/ Kurnool complex**	**Andhra Pradesh**	**5000**	**0**	**5000**	**Sep'25**	**1055**	**2710**	**3765**	**140**	**0**	**140**	**0**	**0**	**0**	**0**	**0**	**0**	**Progressivly from Sept'25 to 2026-27**
a	Ananthapuram PS	**Andhra Pradesh**	3500	0	3500	Sept'25	1055	2710	3765	140	0	140	**0**	**0**	**0**	**0**	**0**	**0**	*Sept'25*
b	Expansion with only ICTs	**Andhra Pradesh**	1500	0	1500														*• Augmentation of ICTs and transmission line, if any, can be taken up on receipt of application as per requirements*
11	**Pavagada (expansion with ICTs)**	**Karnataka**	**1000**	**0**	**1000**	Sept'25	800	0	800	0	0	0	0	0	0	0	0	0	800 MW : Sep'25 : 7th & 8th ICT
	Sub-Total SR (Jul'25-Dec'25)		**15500**	**2000**	**13500**		**9940**	**4510**	**14450**	**280**	**0**	**280**	**100**	**0**	**100**	**500**	**0**	**500**	
E. Commissioning beyond Dec'25																			
11	**Davangere Complex**	**Karnataka**	**5500**	**1000**	**4500**	**2026-27**	**0**	**0**	**0**	**200**	**0**	**200**	**2300**	**2000**	**4300**	**2500**	**2000**	**4500**	**2026-27**
a	Davangere	**Karnataka**	4000	1000	3000	2026-27	0	0	0	**200**	**0**	**200**	1300	1500	2800	1000	1000	2000	2026-27
b	Bellary	**Karnataka**	1500	0	1500	2026-27	0	0	0	**0**	**0**	**0**	1000	500	1500	1500	1000	2500	2026-27
12	**Bijapur**	**Karnataka**	**2000**	**0**	**2000**	2026-27	**902**	**0**	**902**	**552**	**0**	**552**	**546**	**0**	**546**	**2500**		**2500**	2026-27
13	**Bidar PS**	**Karnataka**	**2500**	**0**	**2500**	**Feb'26**	**300**	**0**	**300**	**200**	**0**	**200**	**2000**	**0**	**2000**	**1000**		**1000**	**Feb'26**
14	**Ananthapuram/ Kurnool complex**	**Andhra Pradesh**	**13000**	**0**	**13000**	2026-27	**400**	**3950**	**4350**	**260**	**0**	**260**	**4500**	**4000**	**8500**	**3000**	**3500**	**6500**	**Progressivly from Dec'25 to 2026-27**
a	Kurnool-III (Expansion with ICTs)	**Andhra Pradesh**	4500	0	4500	2026-27	400	3950	4350	**260**	**0**	**260**	0	0	0	0	0	0	*• Augmentation of ICTs and transmission line under approval*
b	Ananthapuram PS-II	**Andhra Pradesh**	4000	0	4000	2026-27	0	0	0	**0**	**0**	**0**	2000	2000	4000	1500	2000	3500	2026-27 **No application**
c	Kurnool-IV	**Andhra Pradesh**	4500	0	4500	2026-27	0	0	0	**0**	**0**	**0**	2500	2000	4500	1500	1500	3000	2026-27 **No application**
15	**Tumkur-II**	**Karnataka**	**1500**	**0**	**1500**	**2026-27**	**500**	**0**	**500**	**0**	**0**	**0**	**1000**	**0**	**1000**	**3000**	**0**	**3000**	**2026-27**
16	**Nizamabad Complex**	**Telangana**	**5000**	**0**	**5000**	**2026-27**	**0**	**0**	**0**	**0**	**0**	**0**	**5000**	**0**	**5000**	**8500**	**0**	**8500**	**2026-27** **No application**
a	Nizamabad-II	**Telangana**	2000	0	2000	2026-27	0	0	0	**0**	**0**	**0**	2000	0	2000	2500		2500	2026-27 **No application** Augmentation of ICTs and transmission line, if any, can be taken up on receipt of application

List of Connectivity Margin in ISTS Substations available by Mar-27 (all fig. in MW, as on 29-02-2024)

Sr. No.	Pooling Station	State	RE Potential (MW)			Expected CoD of Pooling Station	Connectivity Granted/ Agreed			Connectivity Under Process			Margin for Connectivity			Additional Margin for Connectivity requiring ICT Augmentation / additional Tr. System			Effectiveness of GNA for Capacity mentioned under "Margin for Connectivity"
			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
b	Medak	**Telangana**	1500	0	1500	2026-27	0	0	0	0	0	0	1500	0	1500	3000		3000	2026-27 **No application** Augmentation of ICTs and transmission line, if any, can be taken up on receipt of application
c	Rangareddy	**Telangana**	1500	0	1500	2026-27	0	0	0	0	0	0	1500	0	1500	3000		3000	2026-27 **No application** Augmentation of ICTs and transmission line, if any, can be taken up on receipt of application
	Sub-Total SR (Beyond Dec'25)		**29500**	**1000**	**28500**		**2102**	**3950**	**6052**	**1212**	**0**	**1212**	**15346**	**6000**	**21346**	**20500**	**5500**	**26000**	
Total (SR)			**61550**	**3000**	**58550**		**26509**	**9860**	**36369**	**1492**	**0**	**1492**	**15776**	**6000**	**21776**	**21100**	**5500**	**26600**	
Western Region																			
A. Existing RE Pooling Stations																			
1	**Bhuj complex**		**5500**		**5500**	**Existing**	**5413**	**0**	**5413**	**95**	**0**	**95**	**51**	**0**	**51**	**0**	**0**	**0**	**Existing Tr. System**
a	Bhuj PS	Gujarat	3500		3500	Existing	3354		3354	95		**95**	51	0	51				Existing Tr. System. 9th ICT at Bhuj PS shall be required for applications beyond 3500MW
b	Bhuj-II PS	Gujarat	2000		2000	Existing	2059		2059			**0**	0	0	0	0	0	0	Existing Tr. System.
2	Radhanesda PS	Gujarat	950		950	Existing	1200		1200	50		**50**	0	0	0				Existing Tr. System. Application received beyond 1000MW and no margins are left.
3	Jam Khambhaliya PS	Gujarat	2000		2000	Existing	1969	0	1969	0	52.8	**53**	0	0	0	0	0	0	Existing Tr. System.
	Subtotal (Existing)		**8450**		**8450**		**8582**	**0**	**8582**	**145**	**53**	**198**	**51**	**0**	**51**	**0**	**0**	**0**	
B. Commissioning between Jan'24 - Jun'24																			
4	Kallam PS (Ph-I)	Maharashtra	1000		1000	Feb-24 (1GW)	916	0	916	0	0	**0**	0	0	0				1GW: Under Construction-Feb-24
5	Pachora PS	Madhya Pradesh	1500		1500	Feb-24 (1.5GW)	1398		1398	0		**0**	0	0	0				1.5GW: Under Construction-Feb'24
7	Neemuch PS	Madhya Pradesh	1000		1000	Feb'24	500		500			**0**	450	0	450	500	0	500	1GW: Under Construction-Mar'24
8	Solapur S/s	Maharashtra	2000		2000	Existing		1000	1000		0	**0**		1000	1000				Jun-24: Under Scope of applicant (ReNew)
	Subtotal (Jan-24 to Jun-24)		**5500**	**0**	**5500**	**0**	**2814**	**1000**	**3814**	**0**	**0**	**0**	**450**	**1000**	**1450**	**500**	**0**	**500**	
C. Commissioning between Jul'24 - Jun'25																			
10	**Khavda complex**		**13500**		**13500**	**KPS1 (Sec-II): Jan-24 KPS2 (Sec-I & II): Jan-25 KPS3 (Sec-I): Jan-25**	**0**	**13500**	**13500**	**0**	**0**	**0**	**0**	**0**	**0**				**•Ph-1: 3GW - Jan'24 (KPS1) / Jan'25 (KPS2) •Ph-2: 5GW- Mar'25 •Ph-3: 7GW- Dec'25**
a	Khavda I PS (Sec II)	Gujarat	7500		7500	Sec-I: Jan'24 Sec-II: Jan'25		7500	7500			**0**	0	0	0				•Ph-2: 5GW- Mar'25 •Ph-3: 7GW- Dec'25
b	Khavda II PS (Sec-I & II)	Gujarat	3000		3000	Sec-I & II: Jan'25		3000	3000			**0**	0	0	0				
c	Khvada III PS (Sec-I)	Gujarat	3000		3000	Jan'25		3000	3000			**0**	0	0	0				
11	Chhatarpur PS	Madhya Pradesh	1500		1500	Bidding in abeyance (18 months from award)	0		0			**0**	1500	0	1500				Bidding in abeyance (18 months from award) No application

List of Connectivity Margin in ISTS Substations available by Mar-27 (all fig. in MW, as on 29-02-2024)

Sr. No.	Pooling Station	State	RE Potential (MW)			Expected CoD of Pooling Station	Connectivity Granted/ Agreed			Connectivity Under Process			Margin for Connectivity			Additional Margin for Connectivity requiring ICT Augmentation / additional Tr. System			Effectiveness of GNA for Capacity mentioned under "Margin for Connectivity"
			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
12	Kallam PS (Ph-II)	Maharashtra	2250		2250	Dec-24 (1GW)	1036	1011	2046	0	0	0	0	289	0				1GW ICTs: Dec-24 & System for 2.25GW: Under Tendering-Aug-25 (exptd)
13	Parli (New) S/s	Maharashtra	700		700	Existing		300	300		0	0		400	400				400kV bay under construction: Dec'25
	Subtotal (Jun-24 to Jun-25)		**17950**		**17950**		**1036**	**14811**	**15846**	**0**	**0**	**0**	**1500**	**689**	**1900**				
	Sub-Total (WR) by Jun'25		**31900**		**31900**		**12431**	**15811**	**28242**	**145**	**53**	**198**	**2001**	**1689**	**3401**	**500**	**0**	**500**	
D. Commissioning between Jul-25 to Dec-25																			
14	**Khavda complex**		**13500**		**13500**	**KPS1 (Sec-I): Dec-25 KPS2 (Sec-I & II): Dec-25 KPS3 (Sec-I & II): Dec-25**	**0**	**10950**	**10950**	**0**	**0**	**0**	**0**	**1050**	**1050**				**•Ph-1: 3GW - Part System charged in Dec-23 & balance by Mar-24. However, 2GW at KPS2 using Ph-I system would also require KPS2 S/s (Jan'25) •Ph-2: 5GW- Dec'25 •Ph-3: 7GW- Dec'25 •Ph-4: 7GW-Mar-26 (Under bidding - 24 months from SPV transfer) •Ph-V: 48(Bipole-I) / 54(Biple-II) monthsfrom SPV transfer**
a	Khavda I PS (Sec-I)	Gujarat	1500		1500	Sec-I ICT: Dec'25		1500	1500			0	0	0	**0**				Total transformation capacity at Khavda complex (considering N-1 on each section): KPS1 - Sec-I: 4.5GW ; Sec-2: 4.5GW **Total KPS1: 9GW** KPS2 - Sec-I: 6GW ; Sec-2: 4.5GW **Total KPS2: 10.5GW** KPS3 - Sec-I: 4.5GW ; Sec-2: 4.5GW **Total KPS3: 9GW** **Total (KPS1, KPS2 & KPS3): 28.5GW** Balance 1.5GW transformation capacity at KPS3 would be taken up matching with progress of RE generation.
b	Khavda II PS (Sec-I & II)	Gujarat	6000		6000	Sec-I & II ICTs : Dec'25 Sec-I ICT: Mar'27		6000	6000		0	0	0	0	**0**				
c	Khvada III PS (Sec-I & II)	Gujarat	6000		6000	Sec-I & II ICTs : Dec'25		3450	3450			0	0	1050	**1050**				
15	Bhuj-II PS	Gujarat	2000		2000	Existing	1566		1566	376		**376**	0	0	0	0	0	0	Augmentation of 765/400kV & 400/220kV ICTs are required. **After considering 260.5MW against 300MW application received in Feb-24, NO FURTHER MARGINS LEFT AT BHUJ-II PS**
16	Bhuj PS	Gujarat	500		500	Existing	0		0	0		0	500	0	500				9th ICT at Bhuj PS shall be required for applications beyond 3500MW
17	Jam Khambhaliya PS	Gujarat	1000		1000	Existing	1031	0	1031	0		0	0	0	0	0	0	0	Augmentation of 400/220kV ICTs is required. Margins are shown considering 9th ICT at JK PS as confirmed by JKTL. **NO FURTHER MARGINS ARE NOW AVAILABLE.**
18	Lakadia PS	Gujarat	1000		1000	UC (Aug-25)	950	0	950	0		0	0	0	0	0	0	0	Aug-25: Under Implementation
	Sub-Total (WR) (Jul'25 to Dec'25)		**18000**	**0**	**18000**		**3547**	**10950**	**14497**	**376**	**0**	**376**	**500**	**1050**	**1550**	**0**	**0**	**0**	

List of Connectivity Margin in ISTS Substations available by Mar-27 (all fig. in MW, as on 29-02-2024)

Sr. No.	Pooling Station	State	RE Potential (MW)			Expected CoD of Pooling Station	Connectivity Granted/ Agreed			Connectivity Under Process			Margin for Connectivity			Additional Margin for Connectivity requiring ICT Augmentation / additional Tr. System			Effectiveness of GNA for Capacity mentioned under "Margin for Connectivity"
			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
E. Commissioning beyond Dec-25																			
19	**Khavda complex**		**3000**		**3000**	**KPS2 (Sec-I): Mar'27 KPS3 (Sec-II): Mar'27**	**0**	**250**	**250**	**0**	**0**	**0**	**0**	**4250**	**4250**				**•Ph-1: 3GW - Part System charged in Dec-23 & balance by Mar-24. However, 2GW at KPS2 using Ph-I system would also require KPS2 S/s (Jan'25) •Ph-2: 5GW- Dec'25 •Ph-3: 7GW- Dec'25 •Ph-4: 7GW-Mar-26 (Under bidding - 24 months from SPV transfer) •Ph-V: 48(Bipole-I) / 54(Biple-II) monthsfrom SPV transfer**
a	Khavda II PS (Sec-I & II)	Gujarat	1500		1500	Sec-I ICT: Mar'27		250	250		0	**0**	0	1250	**1250**				Total transformation capacity at Khavda complex (considering N-1 on each section): KPS1 - Sec-I: 4.5GW ; Sec-2: 4.5GW **Total KPS1: 9GW** KPS2 - Sec-I: 6GW ; Sec-2: 4.5GW **Total KPS2: 10.5GW** KPS3 - Sec-I: 4.5GW ; Sec-2: 4.5GW **Total KPS3: 9GW** **Total (KPS1, KPS2 & KPS3): 28.5GW** Balance 1.5GW transformation capacity at KPS3 would be taken up matching with progress of RE generation.
b	Khvada III PS (Sec-I & II)	Gujarat	1500		1500	Sec-II ICT: Mar'27		0	0			**0**	0	3000	**3000**				
20	Solapur PS (1.5GW)	Maharashtra	1500		1500	Feb-26 (exptd)	590.0		590.0	500		**500**	410.0	0	**410.0**	**1500**	**0**	**1500**	Feb-26 (exptd) : Under Bidding
21	Pachora PS	Madhya Pradesh	1000		1000	Feb-26 (exptd)	1144		1144	0		**0**	0	0	**0**	**958**	**0**	**958**	1GW: Feb-26 (exptd) : Under Bidding Beyond capacity of 1000MW, augmentation of 400/220kV ICT is required.
22	Mandsaur PS	Madhya Pradesh	2000		2000	Jan-26 (exptd)	0	1512	1512	300		**300**	1700	0	**1700**	**2000**	**0**	**2000**	Feb-26 : Under Bidding
23	Dhule PS	Maharashtra	2000		2000	Jan-26 (exptd)	50		50	0		**0**	1950	0	**1950**	**2000**	**0**	**2000**	Feb-26 (SCOD)
24	Jamnagar	Gujarat	0		0	Apr-26 (extd). ICT Augmentation required	0		0	0		**0**			**0**				Jamnagar S/s is presently under tendering with time-line of 24 months from SPV transfer. 400/220kV ICTs would be planned in matching time-frame of RE generation.
25	Lakadia PS	Gujarat	2500		2500	Feb-26 (exptd)	1652	0	1652				898		**898**				Feb-26 : Under Approval
	Subtotal WR (Beyond Dec'25)		**12000**		**12000**		**3436**	**1762**	**5198**	**800**	**0**	**800**	**4958**	**4250**	**9208**	**6458**	**0**	**6458**	
	Total (WR)		**61900**	**0**	**61900**	**0**	**19414**	**28523**	**47937**	**1321**	**53**	**1373**	**7459**	**6989**	**14159**	**6958**	**0**	**6958**	
In WR, Tr. System has been planned w/o considering BESS capacity of 1.1GW in Maharashtra																			

List of Connectivity Margin in ISTS Substations available by Mar-27 (all fig. in MW, as on 29-02-2024)

Sr. No.	Pooling Station	State	RE Potential (MW)			Expected CoD of Pooling Station	Connectivity Granted/ Agreed			Connectivity Under Process			Margin for Connectivity			Additional Margin for Connectivity requiring ICT Augmentation / additional Tr. System			Effectiveness of GNA for Capacity mentioned under "Margin for Connectivity"
			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
North Eastern Region																			
A. Commissioning between Jul-25 to Dec-25																			
23	**Bokajan**		**1000**	**0**	**1000**	Dec-25 (exptd)	0	1000	1000	0	0	0	0	0	0	1500	0	1500	**Dec-25 : Under approval**
	Subtotal NER (Beyond Jun'25)		**1000**	**0**	**1000**		**0**	**1000**	**1000**	**0**	**0**	**0**	**0**	**0**	**0**	**1500**	**0**	**1500**	
Total (All India)			**208663**	**14500**	**194163**		**84900**	**59940**	**144839**	**8099**	**6416**	**14514**	**26160**	**26289**	**52160**	**30058**	**7400**	**37458**	
By Jun'25			**82163**	**0**	**82163**		**51777**	**29801**	**81578**	**1065**	**903**	**1968**	**4656**	**1989**	**6356**	**800**	**900**	**1700**	
By Dec'25			**41500**	**5000**	**36500**		**16754**	**19627**	**36381**	**656**	**0**	**656**	**600**	**1050**	**1650**	**2000**	**0**	**2000**	
	Beyond Dec'25		**85000**	**9500**	**75500**		**16368**	**10512**	**26880**	**6378**	**5513**	**11891**	**20904**	**23250**	**44154**	**27258**	**6500**	**33758**	

*CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise to be carried out again. However, matter subjudice (APTEL), margin shall be subject to outcome of court proceeding

**Margin Available for 1000 MW only. CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise is to be carried out again. However, matter subjudice (APTEL), margin shall be subject to outcome of court proceeding

The margins indicated may vary depending on network topology, Load-Generation balance, etc. For any clarification/information, CTU may be contacted.