

List of Connectivity Margin in ISTS Substations available by Mar-30 (all fig. in MW, as on 30-04-2024)
(With minor modifications in "Effectiveness of GNA for Capacity mentioned under Margin for Connectivity" column)

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]	S/s Evacuation Capacity (RE Potential - BESS [A-B])		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	1700	9025	100	335	435	50	15	65	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 May'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	1700	5445	100	335	435	50	15	65	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 May'26) **CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise to be carried out again. However, matter subjudice with APTEL. Available margin (435+65 MW) shall be offered for reallocation followed by allocation to new applicants (incl. connectivity under process) subject to APTEL directions/CERC approved procedure for reallocation
2	Fatehgarh-Barmer Complex	Rajasthan	9600	0	9600	Existing	6940	2200	9140	320	850	1170	0	0	0	0	0	0	5340MW: Existing 2500MW: Sep'24 (Ph-II Part-D) 1800MW: Sep'24 (Ph-II Part-E) (upto May'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 May/June'26) Connectivity can only be accommodated upto 5460MW @ Fatehgarh-II PS. **CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise to be carried out again. However, matter subjudice with APTEL. Available margin (upto 1000 MW) shall be offered for reallocation followed by allocation to new applicants (incl. connectivity under process) subject to APTEL directions/CERC approved procedure for reallocation.
c	Fatehgarh-III (Section-I)	Rajasthan	1900	0	1900	Existing	2480	0	2480	0	0	0	0	0	0	0	0	0	200MW: Existing 1780MW: Sep'24(Ph-II) Including 2x250MW BESS granted at Fatehgarh-III (Section-I)
3	Bikaner Complex	Rajasthan	3850	0	3850	Existing	2235	3940	6175	0	0	0	0	50	50	0	0	0	2865MW: Existing 2110MW: Jun'24 (Ph-II-G) 300MW : May'24 (Bhin bypass) 370MW: 4th ICT Bikaner (May'24) 580MW: Dec'25 (upto May'26) (Ph-IV Part-I &II)
a	Bikaner	Rajasthan	1850	0	1850	Existing	1235	2940	4175	0	0	0	0	50	50	0	0	0	2865MW: Existing 110MW: Jun'24 (Ph-II-G) 300MW : May'24 (Bhin bypass) 370MW: 4th ICT Bikaner (May'24) 580MW: Dec'25 (upto May'26) (Ph-IV Part-I &II)
b	Bikaner-II	Rajasthan	2000	0	2000	2x500MVA, 400/220kV ICT at Bikaner-II PS: Existing	1000	1000	2000	0	0	0	0	0	0	0	0	0	2000MW: Jun'24 (Ph-II Part-G)
Sub-Total (Existing)			21880	0	21880		16500	7840	24340	420	1185	1605	50	65	115	0	0	0	

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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]	S/s Evacuation Capacity (RE Potential - BESS [A-B])		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
B. 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	3700MW : Mar'25 onwards (Upto Apr'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (Jun'28 Pole-1 & Dec'28 Pole-2)
2	Fatehgarh-Barmer Complex	Rajasthan	7333	0	7333		4095	2900	6995	0	0	0	50	667	717	0	0	0	Feb'25 onwards (Ph-III) (Upto May'26) [Application for 717 MW already received in Fatehgarh/Barmer complex]
a	Fatehgarh-III (Section-II)	Rajasthan	5233	0	5233	Feb'25	2070	2900	4970	0	0	0	50	667	717	0	0	0	Feb'25 onwards- (Ph-III) (Upto May'26) **Re-allocation matter subjudice with APTEL. Available margin (upto 717 MW) shall be offered for reallocation followed by allocation to new applicants (incl. connectivity under process) subject to APTEL directions/CERC approved procedure for reallocation
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 May/June'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	827MW: Dec'24 (Bikaner-II Additional 400/220kV ICTs) 2633MW: Dec'25 (Upto May'26) (Ph-IV Part-I) **Regarding 675MW, suitable action shall be taken up shortly. Till then the capacity is reserved.
4	(Ramgarh Complex) Ramgarh	Rajasthan	4000	0	4000	Mar'25	0	650	650	2560	4934	7494	0	0	0	0	0	0	650MW-2900MW : Bhadla HVDC (May'28 Pole-1 & Nov'28 Pole-2) Transmission system for evacuation of power (beyond 2.9GW and upto 4 GW) HVDC sys. is under planning (Exp Comm. up to Dec'29). Connectivity beyond 4000MW at Ramgarh PS may be accommodated at Ramgarh-II PS utilising under planning HVDC scheme (Dec'29 onwards)
	Sub-Total (Jul'24 to Jun'25)		18833	3000	15833		8380	4550	12930	2560	4934	7494	725	667	1392	0	0	0	
	Sub-Total NR (By Jun'25)		40713	3000	37713		24880	12390	37270	2980	6119	9099	775	732	1507	0	0	0	
C. 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 May/June'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (Jun'28 Pole-1 & Dec'28 Pole-2)

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			RE Potential (MW) [A]	BESS (MW) [B]	S/s Evacuation Capacity (RE Potential - BESS [A-B])		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
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 May'26) 667MW: with Bikaner-IV tr. System having schedule Sep'26 **Out of total 4667 MW, about 900 MW was earlier reallocated from Bikaner-IV to Bikaner-III. CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise to be carried out again. However reallocation matter is subjudice with APTEL; margin allocation shall be subject to outcome of APTEL directions/CERC Approved Procedure for reallocation.
Sub-Total (Jul'25 to Dec'25)			8000	3000	5000		3267	2400	5667	0	0	0	0	0	0	0	0	0	
D. Commissioning between Jan-26 to Mar-30																			
1	(Fatehgarh-Barmer Complex) Fatehgarh-IV (Section-II)**	Rajasthan	9000	4000	5000	May'26	3480	1500	4980	0	0	0	0	0	0	0	0	0	Hybrid RE Potential : 9GW (Wind+Solar) along with BESS (4 GW), S/s Evacuation Capacity: 5GW For 4000MW (out of 5000MW): May'26 (Ph-IV, Part-II). For evacuation of balance 980MW, additional Tr. System approved recently (sch.Dec'26 onwards). **About 100 MW earlier reallocated from Barmer-I to Fatehgarh-IV. CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise to be carried out again. However reallocation matter is subjudice with APTEL; margin allocation shall be subject to outcome of APTEL directions/CERC Approved Procedure for reallocation
2	(Fatehgarh-Barmer Complex) Barmer-I**	Rajasthan	5500	1500	4000	May'26	3050	0	3050	950	0	950	0	0	0	0	0	0	Hybrid RE Potential: 5.5GW (Wind+Solar) along with BESS (1.5 GW), S/s Evacuation Capacity: 4GW. About 1.5GW: May'26 (Ph-IV, Part-II) For evacuation of >1.5GW (upto 4GW) power at Barmer-I, additional Tr. System recently approved (sch.Dec'26 onwards). For application of >4GW, connectivity will be provided at Barmer-II PS for which system is under planning (sch.upto Aug'29). **About 100 MW earlier reallocated from Barmer-I to Fatehgarh-IV. CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise to be carried out again. However reallocation matter is subjudice with APTEL; margin allocation shall be subject to outcome of APTEL directions/CERC Approved Procedure for reallocation.
3	(Fatehgarh-Barmer Complex) Barmer-II	Rajasthan	6000	0	6000	Feb'29 to Aug'29 (HVDC)	0	0	0	3360	2713	6073	0	0	0	0	0	0	HVDC Corridor is being planned for total 6 GW capacity (Expected Sch.Pole-1:Feb'29, Pole-2: Aug'29)

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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]	S/s Evacuation Capacity (RE Potential - BESS [A-B])		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
4	(Bikaner Complex) Bikaner-IV**	Rajasthan	6000	0	6000	Sep'26	2350	2450	4800	200	1000	1200	0	0	0	0	0	0	Comprehensive Transmission scheme for Bikaner-IV PS (6GW) is under bidding (exp. Sch. -Sep'26). For application of >6GW, connectivity will be provided at Bikaner-V PS for which system is under planning (sch.upto Aug'29). **About 900 MW was earlier reallocated from Bikaner-IV to Bikaner-III. CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise to be carried out again. However reallocation matter is subjudice with APTEL; margin allocation shall be subject to outcome of APTEL directions/CERC Approved Procedure for reallocation.
5	(Bikaner Complex) Bikaner-V**	Rajasthan	4000	0	4000	Feb'29 to Aug'29 (HVDC)	0	0	0	1686	1000	2686	0	0	0	314	1000	1314	HVDC Corridor is being planned for total 6 GW capacity (combinedly for Bhadla-IV & Bikaner-V, margins to be allocated based on application priority for both complexes together). **Transmission system is under planning (HVDC) (Expected Sch.Pole-1:Feb'29, Pole-2: Aug'29).
6	Sirohi	Rajasthan	3000	1000	2000	May'26	0	0	0	2100	0	2100	0	0	0	0	0	0	Connectivity at Sirohi PS will be granted upto 2 GW only. Tr. System for Sirohi (2GW) evacuation including immediate evacuation (400/220kV ICT & 220kV bays) as well as inter-regional Transmission requirement from Sirohi is under finalization (Exp. sch. Mar'27). Beyond 2 GW in Sirohi complex, Tr. system (HVDC) to be identified (Sch.- 2029-30).
7	Bhadla Complex (Bhadla-III Section linked to Bhadla HVDC station & system)**	Rajasthan	3000	0	3000	May'28 to Nov'28 (5x500MVA, 400/220kV ICT)	1550	850	2400	0	0	0	600	0	600	0	0	0	3700MW : Mar'25 onwards (Upto May'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (May'28 Pole-1 & Nov'28 Pole-2). For application of >6.5GW@Bhadla-III, connectivity will be provided at Bhadla-IV PS for which system is under planning (sch.upto Aug'29). **600 MW margin (2 nos. 220kV bay) reserved as per court order- reallocation matter subjudice. Margin allocation shall be subject to outcome of APTEL directions/CERC Approved Procedure for reallocation.
8	Bhadla Complex (Bhadla-IV*)	Rajasthan	4000	2000	2000	Feb'29 to Aug'29 (HVDC)	400	0	400	300	1800	2100	0	0	0	0	0	0	HVDC Corridor is being planned for total 6 GW capacity (combinedly for Bhadla-IV & Bikaner-V, margins to be allocated based on application priority for both complexes together). Transmission system is under planning (HVDC) (Expected Sch.Pole-1:Feb'29, Pole-2: Aug'29)].

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			RE Potential (MW) [A]	BESS (MW) [B]	S/s Evacuation Capacity (RE Potential - BESS [A-B])		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
9	Nagaur Complex (Merta-II)	Rajasthan	2000	0	2000	Dec'26	0	0	0	0	0	0	1000	1000	2000	0	0	0	Connectivity at Merta-II in Nagaur Complex will be granted upto 2 GW only. Immediate evacuation requirement (2x500 MVA 400/220kV ICTs and 220kV bays) from Merta-II PS is approved recently as part of Raj. SEZ Ph-IV (Part-IV) scheme in NCT meeting held on 29/04/24 (MOM awaited). However Inter regional Tr. requirement for 2GW power evacuation for connectivity under GNA is under planning (Sch. Mar'27). Beyond 2 GW in Merta/Nagaur complex, Tr. system (HVDC) to be identified (Sch.- 2029-30).
10	Pang (Leh)	Ladakh	13000	0	13000	2029-30 (VSC HVDC)	0	0	0	0	0	0	0	13000	13000	0	0	0	Leh - Envisaged RE Capacity (13 GW) for connectivity in Ladakh including Solar, Wind & BESS. However, net evacuation capacity of HVDC tr. system is 5000MW. Connectivity applications in Ladakh are awaited.
	Sub-Total NR (Beyond Dec'25)		55500	8500	47000		10830	4800	15630	8596	6513	15109	1600	14000	15600	314	1000	1314	
	Total (NR)		104213	14500	89713		38977	19590	58567	11576	12632	24208	2375	14732	17107	314	1000	1314	
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 (UC)
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 : Jul'24 : Narendra-Pune
3	Tuticorin-II GIS (erstwhile Tirunelveli (PG))	Tamil Nadu	2500	0	2500	Existing	2320	0	2320	0	0	0	180	0	180				1870 MW : Existing Tr. System 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 818 MW: Jul'24 : Narendra-Pune
	Sub-Total (Existing)		9550	0	9550		10241	0	10241	0	0	0	180	0	180	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	
C. Commissioning between Jul'24 - Jun'25																			
7	Ananthapuram/ Kurnool complex	Andhra Pradesh	4500	0	4500	Nov'24	2390	1850	4240	0	800	800	0	0	0	0	0	0	Nov'24
a	Kurnool-III PS	Andhra Pradesh	4500	0	4500	Nov'24	2390	1850	4240	0	800	800	0	0	0				Nov'24
	Sub-Total (June'24 to June'25)		4500	0	4500		2390	1850	4240	0	800	800	0	0	0	0	0	0	
	Sub-Total SR (by June'25)		16550	0	16550	0	15016	1850	16866	0	800	800	180	0	180	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	575	0	575	145	0	145	362		362	0	0	0	500 MVA ICT (5th) is required to accommodate under process applications.

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			RE Potential (MW) [A]	BESS (MW) [B]	S/s Evacuation Capacity (RE Potential - BESS [A-B])		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
9	Koppal-II/ Gadag-II Complex	Karnataka	8000	2000	6000	2025-26	7650	1800	9450	440.0	0	440.0	0	0	0	0	0	0	2025-26 Koppal-II PS and Gadag-II PS has been closed for all purposes. The under process applications cannot be accommodated.
a	Koppal-II PS	Karnataka	4000	1000	3000	Dec'25	4175	0	4175	0.0	0	0.0	0	0	0	0	0	0	Dec'25
b	Gadag-II PS	Karnataka	4000	1000	3000	Dec'25	3476	1800	5276	440	0	440	0	0	0	0	0	0	Dec'25 PSP of 900 MW not considered for determination of margins. The under process applications cannot be accommodated.
10	Ananthapuram/ Kurnool complex	Andhra Pradesh	5000	0	5000	Sep'25	1195	2710	3905	750	0	750	0	0	0	0	0	0	Progressively from Sept'25 to 2026-27
a	Ananthapuram PS	Andhra Pradesh	3500	0	3500	Sept'25	1195	2710	3905	750	0	750	0	0	0	0	0	0	0
b	Expansion with only ICTs	Andhra Pradesh	1500	0	1500														
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		10220	4510	14730	1335	0	1335	362	0	362	0	0	0	
E. Commissioning beyond Dec'25																			
11	Davangere Complex	Karnataka	5500	1000	4500	2026-27	640	0	640	760	0	760	1100	2000	3100	2500	2000	4500	2026-27
a	Davangere	Karnataka	4000	1000	3000	2026-27	640	0	640	760	0	760	100	1500	1600	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	2104	0	2104	798	0	798	-902	0	-902	2500		2500	2026-27 Augmentation of ICTs and transmission line is required to accommodate under process applications.
13	Bidar PS	Karnataka	2500	0	2500	Feb'26	750	0	750	1200	0	1200	50	0	50	1000		1000	Feb'26
14	Ananthapuram/ Kurnool complex	Andhra Pradesh	13000	0	13000	2026-27	660	2050	2710	0	2700	2700	4500	4000	8500	3000	3500	6500	Progressively from Dec'25 to 2026-27
a	Kurnool-III (Expansion with ICTs)	Andhra Pradesh	4500	0	4500	2026-27	660	1250	1910	0	2700	2700	0	0	0	0	0	0	•Margins of 2700 MW gets available consequent to revocation of connectivity granted PSP of 1850 MW not considered for determination of margins • Augmentation of ICTs and transmission line under approval • New pooling station in kurnool area are under approval and the under process application shall be considered
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	800	800	0	0	0	2500	2000	4500	1500	1500	3000	2026-27 New Pooling Station under approval in Kurnool area of AP.
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
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

List of Connectivity Margin in ISTS Substations available by Mar-30 (all fig. in MW, as on 30-04-2024)
(With minor modifications in "Effectiveness of GNA for Capacity mentioned under Margin for Connectivity" column)

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]	S/s Evacuation Capacity (RE Potential - BESS [A-B])		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
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		4654	2050	6704	2758	2700	5458	10748	6000	16748	20500	5500	26000	
	Total (SR)		61550	3000	58550		29891	8410	38301	4093	3500	7593	11290	6000	17290	20600	5500	26100	
Western Region																			
A. Existing RE Pooling Stations																			
1	Bhuj complex		5500		5500	Existing	5559	0	5559	0	0	0	0	0	0	0	0	0	Existing Tr. System
a	Bhuj PS	Gujarat	3500		3500	Existing	3500		3500	0		0	0	0	0				Existing Tr. System.
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	1250		1250	0		0	0	0	0				Existing Tr. System.
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		8778	0	8778	0	53	53	0	0	0	0	0	0	
B. Commissioning between Jan'24 - Jun'24																			
4	Kallam PS (Ph-I)	Maharashtra	1000		1000	May'24	916	0	916	0	0	0	0	0	0				1GW: Under Construction-May-24
5	Pachora PS	Madhya Pradesh	1500		1500	Apr'24	1398		1398	0		0	0	0	0				1.5GW: Commissioned
7	Neemuch PS	Madhya Pradesh	1000		1000	Apr'24	500		500	450		450	0	0	0	0	0	0	1GW: Commissioned
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	450	0	450	0	1000	1000	0	0	0	
C. Commissioning between Jul'24 - Jun'25																			
10	Khavda complex		13500		13500		0	13500	13500	0	0	0	0	0	0				
a	Khavda I PS (Sec II)	Gujarat	7500		7500	Sec-I: Feb'24 Sec-II: Jan'25		7500	7500			0	0	0	0				•Ph-1: 3GW - Feb'24 (KPS1) / Jan'25 (KPS2) •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	Khavda 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
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 Implementation-Oct-25 (exptd)

List of Connectivity Margin in ISTS Substations available by Mar-30 (all fig. in MW, as on 30-04-2024)
(With minor modifications in "Effectiveness of GNA for Capacity mentioned under Margin for Connectivity" column)

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]	S/s Evacuation Capacity (RE Potential - BESS [A-B])		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
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		12627	15811	28438	450	53	503	1500	1689	2900	0	0	0	
D. Commissioning between Jul-25 to Dec-25																			
14	Khavda complex		9000		9000		0	9000	9000	0	0	0	0	0	0				<ul style="list-style-type: none"> •Ph-1: 3GW - Completed in Feb-24. However, 2GW at KPS2 using Ph-I system would also require KPS2 S/s (Jan'25) •Ph-2: 5GW- Mar'25 •Ph-3: 7GW- Dec'25 •Ph-4: 7GW-Jun-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: Jul'25		1500	1500		0	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 : Jan'26		6000	6000		0	0	0	0	0				
c	Khavda III PS (Sec-I)	Gujarat	1500		1500	Sec-I ICT : Jul'25		1500	1500		0	0	0	0	0				
15	Bhuj PS	Gujarat	500		500	Jul'25	500		500	0	0	0	0	0	0				9th ICT at Bhuj PS shall be required for applications beyond 3500MW NO FURTHER MARGINS ARE NOW AVAILABLE. Applications received beyond margins.
16	Lakadia PS	Gujarat	1000		1000	Aug'25	950	0	950	0	0	0	0	0	0	0	0	0	Aug-25: Under Implementation
	Sub-Total (WR) (Jul'25 to Dec'25)		10500	0	10500		1450	9000	10450	0	0	0	0	0	0	0	0	0	
E. Commissioning beyond Dec-25																			
17	Khavda complex		6000		6000		0	2200	2200	0	1400	1400	0	0	0	0	2400	2400	<ul style="list-style-type: none"> •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- Mar'25 •Ph-3: 7GW- Dec'25 •Ph-4: 7GW-Jun-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: 2026-27		250	250		0	0	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	Khavda III PS (Sec-I & II)	Gujarat	4500		4500	Sec-II ICTs: May-26 (3x1500) & 2026-27 (1x1500)		1950	1950		1400	1400	0	0	0		1150	1150	

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(With minor modifications in "Effectiveness of GNA for Capacity mentioned under Margin for Connectivity" column)

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]	S/s Evacuation Capacity (RE Potential - BESS [A-B])		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
18	Solapur PS (1.5GW)	Maharashtra	1500		1500	Mar-26 (exptd)	650.0		650.0	500		500	350.0	0	350.0	1500	0	1500	Mar-26: Under Implementation
19	Pachora PS	Madhya Pradesh	1000		1000	Feb-26 (exptd)	1144		1144	0		0	0	0	0	858	0	858	1GW: Feb-26 (exptd) :Under Implementation Beyond capacity of 1000MW, Rajgarh Ph-III (1.5GW) is under planning
20	Mandsaur PS	Madhya Pradesh	2000		2000	Apr-26 (exptd)	300	1512	1812	500		500	1200	0	1200	2000	0	2000	Apr-26 : Under Implementation Considering grant of connectivity under GNA to PSP at 400kV level (1512MW), additional transmission system may be required for margins shown here.
21	Dhule PS	Maharashtra	2000		2000	Feb-26 (exptd)	50		50	0		0	1950	0	1950	2000	0	2000	Feb-26 (SCOD): Under Implementation
22	Jamnagar	Gujarat	0		0	Jun-26 (extd).	0		0	0	600	600		900	900	0	0	0	Jamnagar S/s is presently under tendering with time-line of 24 months from SPV transfer. Additional Tr. System beyond Jamnagar S/s shall be required for Under Process and New applications
23	Lakadia PS	Gujarat	2500		2500	Apr-26 (exptd)	2550	0	2550	0		0	0		0			0	Apr-26 : Under Approval NO FURTHER MARGINS EXIST AT 220kV LEVEL OF LAKADIA S/s
24	Jam Khambhaliya-II / West of Bhanvad (Proposed)	Gujarat			0	2026-27	300	0	300	0		0			1700			0	Substation is under planning. Shall be finalised based on potential to be declared by MNRE.
25	Raghanesda (GIS)	Gujarat	3000		3000	2026-27	0	600	600		0	0		2400	2400			0	Substation is under Approval (NCT)
26	Bhuj-II PS	Gujarat	2000		2000	0.5GW: May'26 & 1.5GW: Aug'26	1942		1942	0		0	0	0	0	0	0	0	Augmentation of 765/400kV & 400/220kV ICTs are required. NO FURTHER MARGINS ARE NOW AVAILABLE.
27	Jam Khambhaliya PS	Gujarat	1000		1000	May'26	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.
29	Ishanagar	MP	630		630	Feb'26	0		0			0		630	630			0	Under Implementation
30	Karera	MP	0		0	Feb'26	0		0			0		0	500			500	Under Implementation
31	Kurawar	MP	0		0	Jun'26	0		0			0		0	1000			1000	Under Bidding
32	Neemuch PS	MP	500		500	2026-27	0		0	350	0.0	350	200	0	200	0	0	0	ICT Augmentation and Additional Tr. System for RE evacuation beyond 1GW at Neemuch PS (If any) needs to be planned.

List of Connectivity Margin in ISTS Substations available by Mar-30 (all fig. in MW, as on 30-04-2024)
(With minor modifications in "Effectiveness of GNA for Capacity mentioned under Margin for Connectivity" column)

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]	S/s Evacuation Capacity (RE Potential - BESS [A-B])		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
33	Lakadia PS-II / Rapar (Under Planning)	Gujarat	3000		3000	2026-27	0		0	1021	700.0	1721	979	300	1279	0	0	0	Substation is uner planning. Shall be finalised based on potential to be declared by MNRE.
	Subtotal WR (Beyond Dec'25)		25130	0	25130		7966	4312	12278	2371	2700	5071	4679	4230	10609	7858	2400	10258	
	Total (WR)		67530	0	67530		22044	29123	51166	2821	2753	5574	6179	5919	13509	7858	2400	10258	

In WR, Tr. System has been planned w/o considering BESS capacity of 1.1GW in Maharashtra

North Eastern Region

A. Commissioning between Jul-25 to Dec-25

23	Bokajan		1000	0	1000	Dec-26 (exptd)	0	750	750	0	0	0	0	250	250	1500	0	1500	Under bidding
	Subtotal NER (Beyond Dec'25)		1000	0	1000		0	750	750	0	0	0	0	250	250	1500	0	1500	
Total (All India)			234293	17500	216793		90911	57873	148784	18490	18885	37375	19844	26901	48156	30272	8900	39172	
	By Jun'25		89163	3000	86163		52523	30051	82574	3430	6972	10402	2455	2421	4587	100	0	100	
	By Dec'25		35000	5000	30000		14937	15910	30847	1335	0	1335	362	0	362	0	0	0	
	Beyond Dec'25		110130	9500	100630		23451	11912	35363	13725	11913	25638	17027	24480	43207	30172	8900	39072	

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