

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 30-11-2024)

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]	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	7475	2050	9525	300	0	300	0	0	0	0	0	0	4755MW: Existing 496MW: Jan'25 onwards: (Ph-II Part-C/E) 4224MW: Mar'25 onwards (Ph-III/Ph-IV) (upto Aug'26)
a	Bhadla	Rajasthan	3380	0	3380	Existing	3580	0	3580	0	0	0	0	0	0	0	0	0	3580MW: Existing
b	Bhadla-II*	Rajasthan	5050	0	5050	Existing	3895	2050	5945	300	0	300	0	0	0	0	0	0	1175MW: Existing 496MW: Jan'25 onwards : (Ph-II Part-C/E) 4224MW: Mar'25 onwards (Ph-III/Ph-IV) (upto Aug'26) *Application for 300MW capacity is received at Bhadla-II under regulation 5.2 of GNA Regulations, 2022. However, net injection from Bhadla-II PS shall be limited to 5945MW only.
2	Fatehgarh-Barmer Complex	Rajasthan	9600	0	9600	Existing	6940	3200	10140	0	1200	1200	0	0	0	0	0	0	5340MW: Existing 4800MW: Jan'25 onwards (Ph-II Part-C/E) (upto Aug'26)
a	Fatehgarh	Rajasthan	2200	0	2200	Existing	0	2200	2200	0	1200	1200	0	0	0	0	0	0	Existing Tr. System *Application for 1200MW capacity is received at Fatehgarh under regulation 5.2 of GNA Regulations, 2022. However, net injection shall be limited to 2200MW only.
b	Fatehgarh-II*	Rajasthan	5500	0	5500	Existing	4460	1000	5460	0	0	0	0	0	0	0	0	0	2940MW: Existing 2520MW: Jan'25 onwards (Ph-II-C/E) (upto Aug'26)
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: Jan'25 (Ph-II) Including 2x250MW BESS granted at Fatehgarh-III (Section-I)-Jun'25
3	Bikaner Complex	Rajasthan	3850	0	3850	Existing	2235	3940	6175	0	50	50	0	0	0	0	0	0	2865MW: Existing 780MW: Mar'25 (Ph-II-G) 530MW: Dec'25 (upto Aug'26) (Ph-IV Part-I & II) 50MW: Mar'27 (Ph-IV Part-I)
a	Bikaner	Rajasthan	1850	0	1850	Existing	1235	2940	4175	0	50	50	0	0	0	0	0	0	2865MW: Existing 780MW: Mar'25 (Ph-II-G) 530MW: Dec'25 (upto Aug'26) (Ph-IV Part-I & II) 50MW: Mar'27 (Ph-IV Part-I)
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: Mar'25 (Ph-II Part-G)
Sub-Total (Existing)			21880	0	21880		16650	9190	25840	300	1250	1550	0	0	0	0	0	0	
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 Aug'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (Jan'29 Pole-1 & Jul'29 Pole-2)
2	Fatehgarh-Barmer Complex	Rajasthan	7333	0	7333		4085	3550	7635	0	0	0	0	0	0	0	0	0	Feb'25 onwards (Ph-III) (Upto Mar' 27)
a	Fatehgarh-III (Section-II)	Rajasthan	5233	0	5233	Feb'25	2060	3550	5610	0	0	0	0	0	0	0	0	0	Feb'25 onwards- (Ph-III) (Upto Mar'27) POWERGRID vide mail 30.10.24 informed that space for additional 400/220KV ICT (6th) is not available at Fatehgarh-III S/s (Sec-2). Accordingly earlier available margin of 50MW (at 220kV level) is not available due to technical constraints.

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(all fig. in MW, as on 30-11-2024)

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]	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	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 Aug'26)
3	(Bikaner Complex) Bikaner-II	Rajasthan	5000	3000	2000	4x500MVA, 400/220kV ICTs: Existing 3x500MVA, 400/220kV ICT: Dec'24 1x500MVA, 400/220kV ICT: Jan'25	3460	0	3460	0	0	0	0	0	0	0	0	0	827MW: Dec'24 (Bikaner-II Additional 400/220kV ICTs) 2633MW: Dec'25 (Upto Aug'26) (Ph-IV Part-I&II)
4	(Ramgarh Complex) Ramgarh	Rajasthan	4000	0	4000	Mar'25	1200	2784	3984	0	0	0	0	0	0	0	0	0	650MW-2900MW : Bhadla HVDC (Jan'29 Pole-1 & Jul'29 Pole-2) Transmission system for evacuation of power (beyond 2.9GW and upto 4 GW) HVDC sys. is under planning (Exp Comm. up to Mar'30).
Sub-Total (Jul'24 to Jun'25)			18833	3000	15833		10245	7334	17579	0	0	0	0	0	0	0	0	0	
Sub-Total NR (By Jun'25)			40713	3000	37713		26895	16524	43419	300	1250	1550	0	0	0	0	0	0	
C. Commissioning between Jul-25 to Dec-25																			
1	(Bhadla Complex) Bhadla-III	Rajasthan	1000	0	1000	1x1500-Dec'25 + Feb'26 (2x500MVA, 400/220kV ICT & 1x1500MVA, 765/400kV ICT)	1000	0	1000	0	0	0	0	0	0	0	0	0	3700MW : Mar'25 onwards (Upto Aug'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (Jan'29 Pole-1 & Jul'29 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&II) (Upto Aug'26) 667MW: with Bikaner-IV tr. System having tentative schedule Jan'27
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	Aug'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): Nov'26 (Ph-IV, Part-II). For evacuation of balance 980MW : Dec'26 (Ph-IV, Part-IV).
2	(Fatehgarh-Barmer Complex) Barmer-I	Rajasthan	5500	1500	4000	Nov'26	3950	0	3950	50	0	50	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: Nov'26 (Ph-IV, Part-II) For evacuation of >1.5GW (upto 4GW) : Upto Mar'27 (Ph-IV, Part-IV & Ph-V Part-1) For application of >4GW, connectivity will be provided at Barmer-II PS for which system is under planning (sch.upto Dec'29).
3	(Fatehgarh-Barmer Complex) Barmer-II	Rajasthan	6000	0	6000	Jun'29 to Dec'29 (HVDC)	2180	3812	5992	0	0	0	0	0	0	0	0	0	HVDC Corridor is under approval for total 6 GW capacity (Expected Sch.Pole-1:Jun'29, Pole-2: Dec'29).
4	(Fatehgarh-Barmer Complex) Barmer-III	Rajasthan	6000	0	6000	Jul'30 to Dec'30 (HVDC)	1304	0	1304	1857	1550	3407	0	0	0	839	450	1289	HVDC Corridor is under planning for total 6 GW capacity (Expected Sch.Pole-1:Jun'30, Pole-2: Dec'30).

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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)	
5	(Bikaner Complex) Bikaner-IV	Rajasthan	6000	0	6000	Nov'26	3150	2850	6000	0	0	0	0	0	0	0	0	0	Comprehensive Transmission scheme for Bikaner-IV PS (6GW) is under implementation (Sch. -Nov'26).
6	(Bikaner Complex) Bikaner-V	Rajasthan	6000	0	6000	Sep'29 to Mar'30 (HVDC)	3526	1600	5126	0	1290	1290	284	0	284	0	0	0	HVDC Corridor is being planned for total 6 GW capacity (Expected Sch.Pole-1:Sep'29, Pole-2: Mar'30). Considering the margins of 284 MW available in already granted bays, total connectivity at Bikaner-V PS will be 5410MW. For application of >6GW, connectivity will be provided at Bikaner-VI PS for which system is to be evolved
7	Sirohi	Rajasthan	3000	1000	2000	Aug'26	1400	700	2100	0	0	0	0	0	0	0	0	0	Connectivity at Sirohi PS will be granted upto 2 GW only. Tr. System for evacuation of power from Sirohi PS including immediate evacuation (400/220kV ICT & 220kV bays) is approved in NCTs part of Raj. REZ Ph-V (Part-1) (Exp. sch. Mar'27). Beyond 2 GW in Sirohi complex, additional transmission system from Sirohi complex is to be identified (upto Sep'30).
8	Bhadla Complex (Bhadla-III Section linked to Bhadla HVDC station & system)	Rajasthan	3000	0	3000	Jan'29 (Pole-1) to Jul'29 (Pole-2) (5x500MVA, 400/220kV ICT)	1500	1450	2950	0	0	0	50	0	50	0	0	0	3700MW : Mar'25 onwards (Upto Aug'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (Jan'29 Pole-1 & Jul'29 Pole-2).
9	Bhadla Complex (Bhadla-IV)	Rajasthan	5000	2000	2000	Sep'29 to Mar'30 (HVDC)	300	2865	3165	0	4660	4660	0	0	0	0	0	0	Transmission system for evacuation of power from Bhadla-IV PS is under planning (6GW HVDC) (Expected Sch.Pole-1:Sep'29, Pole-2: Mar'30)). Connectivity beyond 6 GW at Bhadla-IV PS to be processed at Bhadla-V (Bhadla complex) for which transmission system (HVDC) from Bhadla Complex to be evolved.
10	Nagaur Complex (Merta-II)	Rajasthan	2000	0	2000	Dec'26	2100	0	2100	0	0	0	0	0	0	0	0	0	Connectivity at Merta-II in Nagaur Complex will be granted upto 2 GW. Immediate evacuation requirement (5x500 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. However Inter regional Tr. requirement for 2GW power evacuation for connectivity under GNA is recently approved in NCT as part of Raj. REZ Ph-V (Part-1) (Sch. Mar'27). Beyond 2 GW in Merta/Nagaur complex, Tr. system (HVDC) to be evolved
11	Jalore Complex (Jalore)	Rajasthan	3000	1000	2000	Mar'30 to Sep'30 (HVDC)	900	1000	1900	0	0	0	0	0	0	0	0	0	HVDC Transmission system (5GW or 6GW) for evacuation of power from Jalore complex (Jalore/Sanchore/Sirohi) is under planning (HVDC) (Exp. Comm. Schedule up to Sep'30).
11	Sanchore Complex (Sanchore)	Rajasthan	3000	1000	2000	Mar'30 to Sep'30 (HVDC)	300	0	300	0	0	0	0	0	0	700	1000	1700	HVDC Transmission system (6GW) for evacuation of power from Jalore complex (Jalore/Sanchore/Sirohi) is under planning (Exp. Comm. Schedule up to Sep'30).

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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)	
12	Ramgarh Complex Ramgarh-II	Rajasthan	8000	3000	5000	Sep'29 to Mar'30 (HVDC)	847	2700	3547	600	0	600	0	0	0	853	0	853	Hybrid RE Potential: 8GW (Wind+Solar) along with BESS (3 GW), S/s Evacuation Capacity: 5GW. HVDC Transmission system for evacuation of power is under planning (Exp Comm. Schedule up to Mar'30).
13	Pali Complex (Pali)	Rajasthan	3000	1000	2000	Sep'30 to Mar'31 (HVDC)	600	0	600	0	0	0	0	0	0	1400	0	1400	HVDC Transmission system (6GW) for evacuation of power from Nagaur(Merta) & Pali complexes is under planning (Exp. Comm. Schedule up to Mar'31).
14	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 yet to be received.
15	Nagaur Complex (Merta-III)	Rajasthan				Sep'30 to Mar'31 (HVDC)	300	0	300	0	0	0	0	0	800	900	1700	Beyond 2 GW in Merta/Nagaur complex, HVDC Transmission system (6GW) for evacuation of power from Nagaur(Merta) & Pali complexes is under planning (Exp. Comm. Schedule up to Mar'31).	
	Sub-Total NR (Beyond Dec'25)		81500	14500	66000		25837	18477	44314	2507	7500	10007	334	13000	13334	4592	2350	6942	
	Total (NR)		130213	20500	108713		55999	37401	93400	2807	8750	11557	334	13000	13334	4592	2350	6942	
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	300	0	300	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 : May'25: Narendra-Pune
3	Tuticorin-II GIS (erstwhile Tirunelveli (PG))	Tamil Nadu	2500	0	2500	Existing	2510		2510	130	0	130	0	0	0				1870 MW : Existing Tr. System 300 MW: May'25: Narendra-Pune 330 MW: Dec'25 : 6th ICT for N-1 Margins are on existing bays through sharing Some of the under process applications may not be accommodated.
4	Koppal PS	Karnataka	2500	0	2500	Existing	2753	0	2753	0	0	0	0	0	0				1260 MW : Existing Tr. System 1493 MW: May'25: 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: May'25: Narendra-Pune
6	Gadag PS	Karnataka	2500	0	2500	Existing	2383	0	2383	0	0	0	0	0	0				460 MW : Existing Tr. System 1925 MW: May'25: Narendra-Pune
	Sub-Total (Existing)		12050	0	12050		12814	0	12814	130	0	130	0	0	0	300	0	300	
B. Commissioning by Jun'25																			
a	Kurnool-III PS	Andhra Pradesh	4500	0	4500	Nov'24	2390	2650	5040	0	0	0	0	0	0				Mar'25 Kurnool-III PS has been closed for all purposes.
	Sub-Total (By June'25)		4500	0	4500		2390	2650	5040	0	0	0	0	0	0	0	0	0	
	Sub-Total SR (by June'25 incl. existing)		16550	0	16550	0	15204	2650	17854	130	0	130	0	0	0	300	0	300	
C. Commissioning between Jul-25 to Dec-25																			

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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)	
8	Karur PS (with transformer augmentation under Phase-II)	Tamil Nadu	1500	0	1500	2025-26	1171	0	1171	30	0	30	381	0	381	0	0	0	2x500 MVA ICTs (5th & 6th) is required to accommodate under process applications.
9	Koppal-II/ Gadag-II Complex	Karnataka	8000	2000	6000	2025-26	7650	1800	9450	160	0	160	0	0	0	0	0	0	2025-26 Koppal-II PS and Gadag-II PS has been closed for all purposes.
a	Koppal-II PS	Karnataka	4000	1000	3000	Dec'25	4175	0	4175	0	0	0	0	0	0	0	0	0	Dec'25
b	Gadag-II PS	Karnataka	4000	1000	3000	Dec'25	3476	1800	5276	160	0	160	0	0	0	0	0	0	Dec'25 PSP of 900 MW not considered for determination of margins. Gadag-II PS has been closed for all purposes and under process applications may not be accommodated.
10	Ananthapuram PS	Andhra Pradesh	3500	0	3500	Sept'25	1545	2710	4255	300	0	300	0	0	0	0	0	0	Sept'25 Ananthapuram PS has been closed for all purposes and under process applications may not be accommodated.
11	Pavagada (expansion with ICTs)	Karnataka	0	0	0	Sept'25	800	0	800	0	0	0	0	0	0	0	0	0	800 MW : Sep'25 : 7th ICT
	Sub-Total SR (Jul'25-Dec'25)		13000	2000	11000		11166	4510	15676	490	0	490	381	0	381	0	0	0	
D. Commissioning beyond Dec'25																			
11	Davangere Complex	Karnataka	5500	1000	4500	Mar'27	3983	0	3983	5502	0	5502	825	0	825	0	0	0	Mar'27 (assuming SPV transfer by Mar'25)
a	Davangere	Karnataka	4000	1000	3000	Mar'27	2575	0	2575	600	0	600	825	0	825	0	0	0	Mar'27 Augmentation of additional 6x500 MVA & 2x1500 MVA ICTs is required to accommodate under process applications.
b	Bellary	Karnataka	1500	0	1500	Mar'27	1408	0	1408	4902	0	4902	0	0	0	0	0	0	Mar'27 Augmentation of ICTs and transmission line is required to accommodate under process applications. Some of the under process applications may not be accommodated.
12	Bijapur	Karnataka	2000	0	2000	Mar'27	1962	0	1962	3138	1200	4338	0	0	0	0	0	0	Mar'27 (assuming SPV transfer by Mar'25) Augmentation of ICTs and transmission line is required to accommodate under process applications. Some of the under process applications may not be accommodated.
13	Bidar PS	Karnataka	2500	0	2500	Feb'26	4270	0	4270	800	0	800	0	0	0	0	0	0	Feb'26 Augmentation of 5x500 MVA ICTs (6th - 10th) and transmission line is required to accommodate under process applications. Some of the under process applications may not be accommodated.
14	Ananthapuram/ Kurnool complex	Andhra Pradesh	13500	0	13500	2026-27	5522	4950	10472	3767	3000	6767	871	500	1371	0	1000	1000	Progressively from Dec'25 to 2026-27
a	Kurnool-III (Expansion with ICTs)	Andhra Pradesh	4500	0	4500	2026-27	660	3950	4610	0	0	0	0	0	0	0	0	0	<ul style="list-style-type: none"> • PSP of 1850 MW not considered for determination of margins • Augmentation of ICTs and transmission line under approval • Kurnool-III PS has been closed for all purposes.
b	Ananthapuram PS-II	Andhra Pradesh	4500	0	4500	2026-27	2759	1000	3759	1917	1500	3417	324	0	324	0	0	0	2026-27 <ul style="list-style-type: none"> • New Pooling Station under bidding in Ananthapuram area of AP. • Application for 990 MW of PSP sought at Kadapa-II • Augmentation of 4x500 MVA ICT (7th to 10th) is required to accommodate under process applications.
c	Kurnool-IV	Andhra Pradesh	4500	0	4500	2026-27	2103	0	2103	1850	1500	3350	547	500	1047	0	1000	1000	2026-27 <ul style="list-style-type: none"> • New Pooling Station under bidding in Kurnool area of AP. • Augmentation of 5x500 MVA ICT (5th to 9th) 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)	
15	Tumkur-II	Karnataka	1500	0	1500	2026-27	2000	0	2000	2350	0	2350	150	0	150	0	0	0	2026-27 Augmentation of ICTs and transmission line is required to accommodate under process applications.
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
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
17	Avairakulam (Off shore)	Tamil Nadu	500	0	500	2029-30	0	0	0	0	0	0	0	0	0	4500	0	4500	Mar'2030
18	Pavagada (expansion with ICTs)	Karnataka	0	0	0	May'26	800	0	800	800	0	800	0	0	0	0	0	0	8th, 9th & 10th ICTs Some of the under process applications may not be accommodated.
Sub-Total SR (Beyond Dec'25)			30500	1000	29500		18538	4950	23488	16356	4200	20556	6846	500	7346	13000	1000	14000	
Total (SR)			60050	3000	57050		44908	12110	57018	16976	4200	21176	7227	500	7727	13300	1000	14300	

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	0	Existing Tr. System.
2	Radhanesda PS	Gujarat	700		700	Existing	1250		1250	0		0	0	0	0				Existing Tr. System.
3	Jam Khambhaliya PS	Gujarat	2000		2000	Existing	1969	0	1969	0	0	0	0	0	0	0	0	0	Existing Tr. System.
4	Kallam PS (Ph-I)	Maharashtra	1000		1000	Existing	916	0	916	0	0	0	0	0	0				1GW: Commissioned
5	Pachora PS	Madhya Pradesh	1500		1500	Existing	1398		1398	0		0	0	0	0				1.5GW: Commissioned
6	Neemuch PS	Madhya Pradesh	1000		1000	Existing	950		950	0		0	0	0	0	0	0	0	1GW: Commissioned
7	Solapur S/s	Maharashtra	2000		2000	Existing		2000	2000		0	0		0	0				Sep-24: Under Scope of applicant (ReNew). NO FURTHER MARGINS LEFT.
8	Khavda I PS (Sec I)	Gujarat	3000		3000	Existing		3000	3000			0	0	0	0				3GW: Commissioned
Subtotal (Existing)			16700	0	16700		12042	5000	17042	0	0	0	0	0	0	0	0	0	

B. Commissioning by Jun'25

9	Khavda complex		10500		10500		0	10500	10500	0	0	0	0	0	0				
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Connectivity Margin available at ISTS substations

(all fig. in MW, as on 30-11-2024)

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]	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)	
E. Commissioning beyond Dec-25																			
15	Khavda complex		6000		6000		0	5390	5390	0	0	0	0	0	0	0	1250	1250	<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-Nov'26 •Ph-V: LCC Bipole-I:Nov'28) & LCC Bipole-II: May'29/ VSC 48 months from SPV transfer
a	Khavda I PS (Sec-I)	Gujarat	1500		1500	Sec-I ICT: 2026-27		810	810	0	0	0	0	0	690	690	0	0	Total transformation capacity at Khavda complex (considering N-1 on each section): KPS1 - Sec-I: 6GW ; Sec-2: 4.5GW Total KPS1: 10.5GW 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): 30GW
b	Khavda II PS (Sec-I & II)	Gujarat	1500		1500	Sec-I ICT: 2026-27		250	250	0	0	0	0	0	0	0	1250	1250	
c	Khavda III PS (Sec-I & II)	Gujarat	4500		4500	Sec-II ICTs: Jun-26 (3x1500) & 2026-27 (1x1500)		5140	5140	0	0	0	0	0	0	0	0	0	
16	Solapur PS (1.5GW)	Maharashtra	1500		1500	Mar-26 (exptd)	2300.0	850.0	3150.0	1200	1200	0.0	0	0.0	0	0	0	0	Solapur Ph-I (1.5GW): Mar-26: Under Implementation Solapur Ph-II (2GW): Under Planning For balance applications rreceived at Solapur PS beyond 3.5GW, additional System / Pooling Station may be needed.
17	Pachora PS	Madhya Pradesh	2000		2000	Feb-26 (exptd)	2602		2602	0	0	0	0	0	0	0	0	0	Rajgarh Ph-I(1.5GW): Commissioned, Ph-II (1GW): Under Implementation & Ph-III (1.5GW): Under Approval NO FURTHER MARGINS ARE AVAILABLE (BEYOND 4000MW AT PACHORA PS).
18	Mandsaur PS	Madhya Pradesh	2000		2000	Aug-26 (exptd)	2998	1500	4498	1345	1345	0	0	0	0	0	0	0	Aug-26 : Under Implementation With grant of connectivity under GNA to PSP at 400kV level (1512MW), it is considered at PSP shall not inject power under high RE period and hence not considered in given table ICT Augmentation (765/400kV as well as 400/220kV ICTs) shall be required at Mandsaur for under process applications, as applicable. NO FURTHER MARGINS ARE AVAILABLE (BEYOND 4500MW AT MANDSAUR PS). Applications received beyond 4500MW would need to be deliberated.
19	Dhule PS	Maharashtra	2000		2000	Feb-26 (exptd)	590		590	1280	1280	130	0	130	2000	0	2000	0	Feb-26 (SCOD): Under Implementation

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 30-11-2024)

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]	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)	
20	Jamnagar	Gujarat	1000		1000	Sep-26 (extd). 400/220kV ICT Augmentation under planning	1000	0	1000	300	0	300	0	0	0	0	0	0	765/400kV Jamnagar S/s is presently under tendering with time-line of 24 months from SPV transfer. ICT Augmentation shall be required for injection at 220kV level.
21	Lakadia-I PS	Gujarat	2000		2000	Aug-26 (exptd)	2550	0	2550	0		0	0				0	0	Total 3.5GW Capacity planned at Lakadia S/s and NO FURTHER MARGINS EXIST AT 220kV LEVEL OF LAKADIA S/s
22	Jam Khambhaliya-II	Gujarat	2000		2000	2027-28	1150	1000	2150	300	0	300	1550	500	2050			0	Substation is under planning for 4.5GW in first phase.
23	Raghnesda (GIS)	Gujarat	3000		3000	Jan-27 (Exp. SCOD)	650	2800	3450	1025	2500	3525		0	0			0	Substation is under Bidding Process NO FURTHER MARGINS ARE NOW AVAILABLE IN UNDER BIDDING SYSTEM. After 3.5GW, Augmentation shall be required for RE upto 7.5GW which can be accommodated at Raghnesda PS (Ultimate capacity).
24	Bhuj-II PS	Gujarat	0		0	0.5GW: Jul'26 & 1.5GW: Nov'26	1942		1942	0	1800	1800	0	0	0	0	0	0	NO FURTHER MARGINS ARE NOW AVAILABLE. For applications received beyond 2000MW, augmentation needs to be taken up.
25	Jam Khambhaliya PS	Gujarat	1000		1000	May'26	1031	951	1982	0	0.0	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.
26	Ishanagar	MP	0		0	Feb'26	0	350	350		300	300		0	0			0	Under Implementation
27	Karera	MP	0		0	Feb'26	0		0			0		0	500			500	Under Implementation
28	Kurawar	MP	0		0	Sep'26	0		0			0		0	1000			1000	Under Bidding
29	Neemuch PS	MP	0		0	2026-27	1050		0	0	0	0	0	0	0	0	0	0	Neemuch Ph-I(1GW): Commissioned, Ph-II (1GW): Under Approval NO FURTHER MARGINS ARE AVAILABLE (BEYOND 2000MW AT NEEMUCH PS).
30	Lakadia PS-II (Under Planning)	Gujarat	0		0	2026-27	0		0	4078	3200	7278	0	222	222	0	0	0	Substation is uner planning.
31	Bhuj PS	Gujarat	500		500	2026-27	460		460	0		0	76	0	76	0	0	0	10th ICT at Bhuj PS shall be required for applications beyond 4000MW
32	Morena PS (Ph-I)	MP	2500		2500	2027-28	0		0	0		0	1100	1400	2500	1500	0	1500	Ph-I (2.5GW) under approval
33	Mahuva Offshore PS (Ph-I)	Gujarat	500		500	2029	0		0	0		0	500		500	0	0	0	Scheme under implementation by POWERGRID with SCOD of Mar-29
	Subtotal WR (Beyond Dec'25)		26000	0	26000		18322	12841	30113	6983	10345	17328	3356	2122	5478	5000	1250	6250	
	Total (WR)		65700	0	65700		32761	39362	71073	6983	10623	17606	3407	2123	5530	5000	1250	6250	

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

1	Bokajan	Assam	1000	0	1000	Dec-26 (exptd)	0	750	750	0	0	0	0	250	250	1500	0	1500	Under Implementation
	Subtotal NER (Beyond Dec'25)		1000	0	1000		0	750	750	0	0	0	0	250	250	1500	0	1500	
	Total (All India)		256963	23500	232463		133668	89623	222241	26766	23573	50339	10968	15873	26840	24392	4600	28992	

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