

Connectivity Margin available at ISTS substations  
(all fig. in MW, as on 28-02-2025)

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	7775	2050	9825	0	0	0	0	0	0	0	0	0	5251.375MW: Existing 4273.625MW: May'25 onwards (Ph-II/Ph-III/Ph-IV) (upto Mar'27)
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	4195	2050	6245	0	0	0	0	0	0	0	0	0	1671.375MW: Existing 4273.625MW: May'25 onwards (Ph-II/Ph-III/Ph-IV) (upto Mar'27) *Quantum includes 300MW capacity 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	4400	11340	0	0	0	0	0	0	0	0	0	7225.83MW: Existing 2914.17MW: Mar'25 onwards (Ph-II/Ph-III/Ph-IV) (upto Mar'27)
a	Fatehgarh*	Rajasthan	2200	0	2200	Existing	0	3400	3400	0	0	0	0	0	0	0	0	0	Existing Tr. System *Quantum includes 1200MW capacity 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	3525.83MW: Existing 1934.17MW: May'25 onwards (Ph-II/Ph-III/Ph-IV) (upto Mar'27)
c	Fatehgarh-III (Section-I)	Rajasthan	1900	0	1900	Existing	2480	0	2480	0	0	0	0	0	0	0	0	0	1500MW: Existing 480MW: May'25 (Ph-II) Including 2x250MW BESS granted at Fatehgarh-III (Section-I)-Jun'25
3	Bikaner Complex	Rajasthan	3850	0	3850	Existing	2235	3990	6225	0	0	0	0	0	0	0	0	0	2865MW: Existing 3360MW: May'25 onwards (Ph-II/Ph-IV/Ph-V) (upto Mar'27)
a	Bikaner	Rajasthan	1850	0	1850	Existing	1235	2990	4225	0	0	0	0	0	0	0	0	0	2865MW: Existing 1360MW: May'25 onwards (Ph-II/Ph-IV/Ph-V) (Upto Mar'27)
b	Bikaner-II	Rajasthan	2000	0	2000	4x500MVA, 400/220kV ICT at Bikaner-II PS: Existing	1000	1000	2000	0	0	0	0	0	0	0	0	0	2000MW: May'25 (Ph-II Part-G)
	Sub-Total (Existing)		21880	0	21880		16950	10440	27390	0	0	0	0	0	0	0	0	0	
B. Commissioning between Jul'24 - Jun'25																			
1	(Bhadla Complex) Bhadla-III*	Rajasthan	2500	0	2500	Jun'25 (3x500MVA, 400/220kV ICT & 2x1500MVA, 765/400kV ICT)	1500	1000	2500	0	0	0	0	0	0	0	0	0	3700MW : Jun'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	225	0	225	0	0	0	0	0	0	May'25 onwards (Ph-III) (Upto Mar' 27)
a	Fatehgarh-III (Section-II)	Rajasthan	5233	0	5233	May'25	2060	3550	5610	0	0	0	0	0	0	0	0	0	May'25 onwards- (Ph-III) (Upto Mar'27)

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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	Fatehgarh-IV (Section-I) *	Rajasthan	2100	0	2100	Jun'25	2025	0	2025	225	0	225	0	0	0	0	0	0	Jun'25 onwards (Ph-III) (Upto Aug'26) *Quantum includes 225MW capacity at Fatehgarh-IV (Sec-I) under regulation 5.2 of GNA Regulations, 2022. However, net injection shall be limited to 2025MW only.
3	(Bikaner Complex) Bikaner-II	Rajasthan	5000	3000	2000	4x500MVA, 400/220kV ICTs: Existing 4x500MVA, 400/220kV ICT: Mar'25	3460	0	3460	0	0	0	0	0	0	0	0	0	3460MW: May'25 onwards (Upto Aug'26) (Ph-II/Ph-IV Part-I&II)
4	(Ramgarh Complex) Ramgarh	Rajasthan	4000	0	4000	May'25	1200	2784	3984	0	0	0	0	0	0	0	0	0	650MW-3100MW : 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 May'30).
Sub-Total (Jul'24 to Jun'25)			18833	3000	15833		10245	7334	17579	225	0	225	0	0	0	0	0	0	
Sub-Total NR (By Jun'25)			40713	3000	37713		27195	17774	44969	225	0	225	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 : May'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	4000	0	4000	0	0	0	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 approval (sch. Pole-1 : Sep'29, Pole-2: Mar'30 ).
3	(Fatehgarh-Barmer Complex) Barmer-II	Rajasthan	6000	0	6000	Sep'29 to Mar'30 (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:Sep'29, Pole-2: Mar'30).
4	(Fatehgarh-Barmer Complex) Barmer-III	Rajasthan	6000	0	6000	Jun'30 to Dec'30 (HVDC)	2512	3450	5962	600	800	1400	0	0	0	0	0	0	HVDC Corridor is under planning for total 6 GW capacity (Expected Sch.Pole-1:Jun'30, Pole-2: Dec'30).For application of >6GW, connectivity will be provided at new locn in Fatehgarh/Barmer complex for which HVDC system is to be evolved

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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)	3320	2510	5830	1050	600	1650	170	0	170	0	0	0	HVDC Corridor is being planned for total 6 GW capacity (Expected Sch.Pole-1:Sep'29, Pole-2: Mar'30). For application of >6GW, connectivity will be provided at Bikaner-VI PS for which HVDC 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 evacuaion (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 : Jun'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	Nov'29 to May'30 (HVDC)	300	5525	5825	0	0	0	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:Nov'29, Pole-2: May'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. Inter rgional Tr. requirement for 2GW power evacuation for connectivity under GNA is under advance stage of bidding 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	Jun'30 to Dec'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 Dec'30).
11	Sanchore Complex (Sanchore)	Rajasthan	3000	1000	2000	Jun'30 to Dec'30 (HVDC)	300	0	300	0	600	600	0	0	0	700	400	1100	HVDC Transmission system (6GW) for evacuation of power from Jalore complex (Jalore/Sanchore/Sirohi) is under planning (Exp. Comm. Schedule up to Dec'30).
12	Ramgarh Complex Ramgarh-II	Rajasthan	8000	3000	5000	Nov'29 to May'30 (HVDC)	1447	2700	4147	850	600	1450	0	0	0	0	0	0	Hybrid RE Potential: 8GW (Wind+Solar) along with BESS (3 GW), S/s Evacuation Capacity: 5GW.  HVDC Transmission system for evacuation of power from Ramgarh-II PS for evacuation of 6GW RE power (Ramgarh-I:0.9GW, Ramgarh-II:5.1 GW) is under planning (Exp Comm. Schedule up to May'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)	
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 - Ensviaged RE Capacity (13 GW) for connnectivity 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	Bhadla Complex (Bhadla-V)	Rajasthan	6000	0	6000	Dec'30 to Jun'31 (HVDC)	400	1600	2000	250	1000	1250	0	0	0	3350	600	3950	HVDC Transmission system (6GW) for evacuation of power from Bhadla-V complexes is under planning (Exp. Comm. Schedule up to Jun'31).
16	Nagaur Complex (Merta-III)	Rajasthan				Sep'30 to Mar'31 (HVDC)	300	0	300	600	0	600	0	0	0	200	900	1100	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)		87500	14500	72000		27889	27097	54986	3350	3600	6950	220	13000	13220	5650	1900	7550	
Total (NR)			136213	20500	114713		58351	47271	105622	3575	3600	7175	220	13000	13220	5650	1900	7550	
Southern Region																			
A. Existing RE Pooling Stations																			
1	NP Kunta	Andhra Pradesh	1500	0	1500	Existing	1700	0	1700	500	0	500	0	0	0	300	0	300	1500 MW : Existing Tr. System 500 MW: 5th ICT (UC) Augmentation of ICTs and transmission line is required to accommodate under process applications.
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

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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)	
3	Tuticorin-II GIS (erstwhile Tirunelveli (PG))	Tamil Nadu	2500	0	2500	Existing	2640		2640	0	0	0	360	0	360				1870 MW : Existing Tr. System 300 MW: May'25: Narendra-Pune 340 MW: Dec'25 : 6th ICT 130 MW : Mar'27 : 7th ICT
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
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	2243	0	2243	0	0	0	0	0	0				460 MW : Existing Tr. System 1923 MW: May'25: Narendra-Pune
	Sub-Total (Existing)		12050	0	12050		12804	0	12804	500	0	500	360	0	360	300	0	300	
B. Commissioning by Jun'25																			
a	Kurnool-III PS	Andhra Pradesh	4500	0	4500	Mar'25	2250	1850	4100	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		2250	1850	4100	0	0	0	0	0	0	0	0	0	
	Sub-Total SR ( by June'25 incl. existing)		16550	0	16550	0	15054	1850	16904	500	0	500	360	0	360	300	0	300	
C. Commissioning between Jul-25 to Dec-25																			
8	Karur PS (with transformer augmentation under Phase-II)	Tamil Nadu	1500	0	1500	Feb'26	1171	0	1171	180	500	680	0	0	0	231	0	231	Augmentation of ICTs and transmission line is required to accommodate under process applications
9	Koppal-II/ Gadag-II Complex	Karnataka	8000	2000	6000		7220	1800	9020	635	0	635	0	0	0	0	0	0	Koppal-II PS and Gadag-II PS has been closed for all purposes.
a	Koppal-II PS	Karnataka	4000	1000	3000	Dec'25	3905	0	3905	175	0	175	0	0	0	0		0	Dec'25 Koppal-II PS has been closed for all purposes and under process applications may not be accommodated.
b	Gadag-II PS	Karnataka	4000	1000	3000	Dec'25	3316	1800	5116	460	0	460	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	1100	0	1100	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		10736	4510	15246	1915	500	2415	0	0	0	231	0	231	
D. Commissioning beyond Dec'25																			
11	Davangere Complex	Karnataka	5500	1000	4500	Mar'27	4683	0	4683	6067	0	6067	525	0	525	0	0	0	Mar'27 to Sep'27 (assuming SPV transfer by Mar'25)
a	Davangere	Karnataka	4000	1000	3000	Mar'27	3175	0	3175	300	0	300	525	0	525	0	0	0	2000 MW :Mar'27 2000 MW : Augmentation of additional 4x500 MVA & 2x1500 MVA ICTs is required.
b	Bellary	Karnataka	1500	0	1500	Sep'27	1508	0	1508	5767	0	5767	0	0	0	0	0	0	1500 MW :Sep'27  Transmission system for application beyond 1.5 GW RE potential declared by MNRE has been put-on hold by NCT
12	Bijapur	Karnataka	2000	0	2000	Jan'27	1962	0	1962	4363	1200	5563	0	0	0	0	0	0	2000 MW :Jan'27  Transmission system for application beyond 2 GW RE potential declared by MNRE has been put-on hold by NCT

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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)	
13	Bidar PS	Karnataka	2500	0	2500	Feb'26	3350	0	3350	1350	1100	2450	0	0	0	0	0	0	2500 MW : Feb'26 1000 MW: Feb'27 (Augmentation of 3x500 MVA ICTs (6th - 8th) & 1x1500 MVA ICT(4th))  Transmission system for application beyond 3.5 GW has been put-on hold by NCT
14	Ananthapuram/ Kurnool complex	Andhra Pradesh	19500	0	19500		7415	6300	13715	5535	2430	7965	0	0	0	0	0	0	Progressivly from Mar'27 to Apr'27
a	Kurnool-III (Expansion with ICTs)	Andhra Pradesh	4500	0	4500	Apr'27	0	3500	3500	0	0	0	0	0	0	0	0	0	<ul style="list-style-type: none"><li>• PSP of 1850 MW not considered for determination of margins</li><li>• Augmentation of ICTs and transmission line under approval</li><li>• Kurnool-III PS has been closed for all purposes.</li></ul>
b	Ananthapuram PS-II	Andhra Pradesh	7500	0	7500	Mar'27	4012	1900	5912	1925	1000	2925	0	0	0	0	0	0	Mar'27 (Phase-1) Progressively from Sept'27 to Mar'28 (Phase-2)  • The connectivity quantum which has been crossed the identified 7.5 GW capacity of pooling station and shall be considered at next pooling station (Ananthapuram-III / Kurnool-V)
c	Kurnool-IV	Andhra Pradesh	7500	0	7500	Mar'27	3403	900	4303	3610	1430	5040	0	0	0	0		0	Mar'27 (Phase-1) Progressively from Sept'27 to Mar'28 (Phase-2)  • The connectivity quantum which has been crossed the identified 7.5 GW capacity of pooling station and shall be considered at next pooling station (Ananthapuram-III / Kurnool-V)
15	Tumkur-II	Karnataka	1500	0	1500	Sep'26	1500	0	1500	2850	0	2850	0	0	0	0	0	0	1500 MW : Sep'26  Transmission system for application beyond 1.5 GW RE potential declared by MNRE has been put-on hold by NCT
16	Nizamabad Complex	Telangana	5000	0	5000		0	0	0	0	0	0	5000	0	5000	8500	0	8500	Locations for RE potential declared in Telanagana under review by MNRE/SECI. Transmisison system put on-hold by NCT till finalization of same.
a	Nizamabad-II	Telangana	2000	0	2000		0	0	0	0	0	0	2000	0	2000	2500		2500	Locations for RE potential declared in Telanagana under review by MNRE/SECI. Transmisison system put on-hold by NCT till finalization of same.
b	Medak	Telangana	1500	0	1500		0	0	0	0	0	0	1500	0	1500	3000		3000	Locations for RE potential declared in Telanagana under review by MNRE/SECI. Transmisison system put on-hold by NCT till finalization of same.
c	Rangareddy	Telangana	1500	0	1500		0	0	0	0	0	0	1500	0	1500	3000		3000	Locations for RE potential declared in Telanagana under review by MNRE/SECI. Transmisison system put on-hold by NCT till finalization of same.
17	Avairakulam (Off shore)	Tamil Nadu	500	0	500	Dec'30	0	0	0	0	0	0	500	0	500	4500	0	4500	Mar'2030
18	Pavagada (expansion with ICTs)	Karnataka	0	0	0	May'26	1100	0	1100	550	0	550	50	0	50	0	0	0	8th, 9th & 10th ICTs Some of the under process applications may not be accommodated.
	Sub-Total SR (Beyond Dec'25)		36500	1000	35500		20011	6300	26311	20714	4730	25444	6075	0	6075	13000	0	13000	
Total (SR)			66050	3000	63050		45800	12660	58460	23129	5230	28359	6435	0	6435	13531	0	13531	

Connectivity Margin available at ISTS substations  
(all fig. in MW, as on 28-02-2025)

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)	
Western Region																			
A. Existing RE Pooling Stations																			
1	Bhuj complex		5500		5500	Existing	5559	0	5559	0	0	0	0	0	0	0	0	Existing Tr. System	
a	Bhuj PS	Gujarat	3500		3500	Existing	3500		3500	0		0	0	0				Existing Tr. System.	
b	Bhuj-II PS	Gujarat	2000		2000	Existing	2059		2059			0	0	0	0	0	0	Existing Tr. System.	
2	Radhanesda PS	Gujarat	700		700	Existing	1250		1250	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	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				1.5GW: Commissioned	
6	Neemuch PS	Madhya Pradesh	1000		1000	Existing	950		950	0		0	0	0	0	0	0	1GW: Commissioned	
7	Solapur S/s	Maharashtra	2000		2000	Existing		2000	2000		237	237		0	0			Sep-24: Under Scope of applicant (ReNew). NO FURTHER MARGINS LEFT BEYOND 2GW. Application for 237MW needs to be deliberated.	
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	237	237	0	0	0	0	0		
B. Commissioning by Jun'25																			
9	Khavda complex		10500		10500		0	10500	10500	0	0	0	0	0	0				
a	Khavda I PS (Sec II)	Gujarat	4500		4500	Sec-II: Jan'25		4500	4500			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	Khvada III PS (Sec-I)	Gujarat	3000		3000	Jan'25		3000	3000			0	0	0	0				
10	Chhatarpur PS	Madhya Pradesh	0		0	Scheme dropped.	0		0			0	0	0	0			Scheme has been dropped as decided in NCT meeting & to be denotified by MoP.	
11	Kallam PS (Ph-II)	Maharashtra	1000		1000	Dec-24 (1GW)	983	1222	2205	0	78	78	0	0	0			1GW ICTs: Dec-24 & System for 2.25GW: Under Implementation-Oct-25 (exptd)	
	Subtotal (By Jun'25)		11500	0	11500		983	11722	12705	0	78	78	0	0	0				

Connectivity Margin available at ISTS substations  
(all fig. in MW, as on 28-02-2025)

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)	
D. Commissioning between Jul-25 to Dec-25																			
12	Khavda complex		9000		9000		0	9000	9000	0	0	0	0	0	0				•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: Jul'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: 6GW 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	6000		6000	Sec-I & II ICTs : Feb'26		6000	6000			0	0	0	0				
c	Khvada III PS (Sec-I)	Gujarat	1500		1500	Sec-I ICT : Jul'25		1500	1500			0	0	0	0				
13	Bhuj PS	Gujarat	500		500	Jul'25	464		464	0		0	0	0	0				9th ICT at Bhuj PS shall be required for applications beyond 3500MW  NO FURTHER MARGINS ARE NOW AVAILABLE. Applications reeived beyond margins.
14	Lakadia PS	Gujarat	1000		1000	Aug'25	950	0	950	0		0	0	0	0	0	0	0	Aug-25: Under Implementation
11	Parli (New) S/s	Maharashtra	1000		1000	Dec'25 (Bay)		1000	1000		0	0		0	0				400kV bay under construction (suitable for 1000MW evacuation): Dec'25
	Sub-Total (WR) (Jul'25 to Dec'25)		11500	0	11500		1414	10000	11414	0	0	0	0	0	0	0	0	0	
E. Commissioning beyond Dec-25																			
15	Khavda complex		7500		7500		0	18700	18700	0	0	0	0	0	0	0	1940	1940	•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	0	0	690	690	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
b	Khavda II PS (Sec-I & II)	Gujarat	1500		1500	Sec-I ICT: 2026-27		250	250		0	0	0	0	0		1250	1250	



Connectivity Margin available at ISTS substations  
(all fig. in MW, as on 28-02-2025)

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	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	Total (KPS1, KPS2 & KPS3): 30GW
d	Khavda IV PS (Sec-I & II)	Gujarat	0		8750	Oct/Nov-27 (exptd)		8750	8750		0	0	0	0	0.0	0	0	0	The Khavda Phase-I to Phase-VII shall be required for enabling evacuation of power upto 41.5GW from Khavda area out of which Phase-VI (5.5GW) & Phase-VII (6GW HVDC) are under approval stage.
e	Khavda V PS (Sec-I)	Gujarat	0		3750	Oct/Nov-27 (exptd)		3750	3750		0	0	0	0	0.0	0	0	0	The Khavda Phase-I to Phase-VII shall be required for enabling evacuation of power upto 41.5GW from Khavda area out of which Phase-VI (5.5GW) & Phase-VII (6GW HVDC) are under approval stage.
16	Solapur PS (1.5GW)	Maharashtra	1500		1500	Mar-26 (exptd)	2450.0	850.0	3300.0		2150	2150	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 rteceived 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	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		2184	2184	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)	1976		1976	1845		1845	0	0	0	155	0	155	Feb-26 (SCOD): Under Implementation. NO FURTHER MARGINS ARE AVAILABLE (BEYOND 2000MW.  Applications received beyond 2000MW would require additional Tr. System to be planned.

Connectivity Margin available at ISTS substations  
(all fig. in MW, as on 28-02-2025)

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	656	0	656	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.  Applications received beyond 1000MW would also require additional Tr. System to be planned.
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	2100	1000	3100	1336	0	1336	64	0	64			0	Substation is under planning for 4.5GW in first phase.
23	Raghnesda (GIS)	Gujarat	3000		3000	Jan-27 (Exp. SCOD)	650	2800	3450	905	2100	3005		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 beyond 3.5GW at Raghnesda PS.
24	Bhuj-II PS	Gujarat	0		0	0.5GW: Jul'26 & 1.5GW: Nov'26	1942		1942	0	1724	1724	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	650	650		250	250		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		1050	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	3878	3200	7078	0	0	0	0	422	422	0	0	0	Substation is uner planning.
31	Bhuj PS	Gujarat	500		500	2026-27	460		460	0		0	0.0	0	0	0	0	0	Margin of 76.4MW is being requested by pending applicants at Bhuj-II PS. Hence, no margin is left.
32	Morena PS (Ph-I)	MP	2500		2500	2027-28	0		0	700		700	400	1400	1800	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)		27500	0	27500		24686	29651	54336	5442	8408	13850	964	1822	2786	3155	1940	5095	
	Total (WR)		67200	0	67200		39125	56372	95497	5442	8723	14165	964	1822	2786	3155	1940	5095	

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)			270463	23500	245963		143276	117053	260329	32146	17553	49700	7619	15072	22691	23836	3840	27676	

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