Connectivity Margin available at ISTS substations

(all fig. in MW, as on 31-12-2024)

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**	**7775**	**2050**	**9825**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5251.375MW: Existing** **4273.625MW: Mar'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: Mar'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: Mar'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: Mar'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** **3360MW: Mar'25 onwards (Ph-II/Ph-IV) (upto Mar'27)**
a	Bikaner	Rajasthan	1850	0	1850	Existing	1235	2940	4175	0	50	50	0	0	0	0	0	0	2865MW: Existing 1360MW: Mar'25 onwards (Ph-II/Ph-IV) (Upto Mar'27)
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**		**16950**	**10390**	**27340**	**0**	**50**	**50**	**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**	**Mar'25 onwards (Ph-III) (Upto Mar' 27)**
a	Fatehgarh-III (Section-II)	**Rajasthan**	5233	0	**5233**	Mar'25	2060	3550	5610	0	0	0	0	0	0	0	0	0	**Mar'25 onwards- (Ph-III) (Upto Mar'27)**

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 31-12-2024)

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	Mar'25	2025	0	2025	0	0	0	0	0	0	0	0	0	Feb'25 onwards (Ph-III) (Upto Aug26)
3	(Bikaner Complex) Bikaner-II	Rajasthan	5000	3000	2000	4x500MVA, 400/220kV ICTs: Existing 4x500MVA, 400/220kV ICT: Feb'25	3460	0	3460	0	0	0	0	0	0	0	0	0	3460MW: Mar'25 onwards (Upto Aug'26) (Ph-II/Ph-IV Part-I&II)
4	(Ramgarh Complex) Ramgarh	Rajasthan	4000	0	4000	Apr'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		27195	17724	44919	0	50	50	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	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, connectvity will be provided at Barmer-II PS for which system is under approval (sch. Pole-I : 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	Jul'30 to Dec'30 (HVDC)	2663	0	2663	799	2550	3349	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, connectvity will be provided at new locn in Fatehgarh/Barmer complex for which HVDC system is to be evolved

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 31-12-2024)

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)	
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	0	0	0	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, connectvity 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 evacutaion (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	Nov'29 to May'30 (HVDC)	300	5525	5825	1000	1000	2000	0	0	0	0	0	0	Transmission system for evacauation 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. Immediate evacaution 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 rgional Tr. requirement for 2GW power evacuation for connectivity under GNA is recenly 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).

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 31-12-2024)

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)	
12	Ramgarh Complex Ramgarh-II	Rajasthan	8000	3000	5000	Nov'29 to May'30 (HVDC)	1147	2700	3847	300	0	300	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 May'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 - 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 yet to be received.
15	Nagaur Complex (Merta-III)	Rajasthan				Sep'30 to Mar'31 (HVDC)	300	0	300	0	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		27340	22047	49387	2099	3550	5649	220	13000	13220	3753	1900	5653	
	Total (NR)		130213	20500	108713		57802	42171	99973	2099	3600	5699	220	13000	13220	3753	1900	5653	
	Southern Region																		
	A. Existing RE Pooling Stations																		
1	NP Kunta	Andhra Pradesh	1500	0	1500	Existing	1700	0	1700	400	0	400	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
3	Tuticorin-II GIS (erstwhile Tirunelvelli (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	2383	0	2383	0	0	0	0	0	0				460 MW : Existing Tr. System 1923 MW: May'25: Narendra-Pune
	Sub-Total (Existing)		12050	0	12050		12944	0	12944	400	0	400	360	0	360	300	0	300	
	B. Commissioning by Jun'25																		
a	Kurnool-III PS	Andhra Pradesh	4500	0	4500	Nov'24	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	15194	1850	17044	400	0	400	360	0	360	300	0	300	
	C. Commissioning between Jul-25 to Dec-25																		

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 31-12-2024)

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)	
8	**Karur PS (with transformer augmentation under Phase-II)**	**Tamil Nadu**	**1500**	**0**	**1500**	**2025-26**	**1171**	**0**	**1171**	**80**	**500**	**580**	**331**	**0**	**331**	**0**	**0**	**0**	*3x500 MVA ICTs (5th to 7th) and transmission line 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	Dec'25
b	Gadag-II PS	**Karnataka**	4000	1000	3000	Dec'25	3476	1800	5276	160	0	160	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**	**540**	**500**	**1040**	**331**	**0**	**331**	**0**	**0**	**0**	
D. Commissioning beyond Dec'25																			
11	**Davangere Complex**	**Karnataka**	**5500**	**1000**	**4500**	**Mar'27**	**6633**	**0**	**6633**	**3217**	**0**	**3217**	**825**	**0**	**825**	**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**	**0**	**0**	**0**	825	0	825	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**	3458	0	**3458**	**3217**	**0**	**3217**	0	0	0	0	0	0	1500 MW :Sep'27 2000 MW: Augmentation of 4x500 MVA ICTs (5th - 8th) and Bellary - Davanagere 400kV 2nd D/c line Bellary PS has been closed for all purposes and under process applications may not be accommodated.
12	**Bijapur**	**Karnataka**	**2000**	**0**	**2000**	**Jan'27**	**4500**	**0**	**4500**	**725**	**1200**	**1925**	**0**	**0**	**0**	**0**	**0**	**0**	2000 MW :Jan'27 2500 MW: Augmentation of 5x500 MVA ICTs (5th - 10th) and transmission line Bijapur PS has been closed for all purposes and under process applications may not be accommodated.
13	**Bidar PS**	**Karnataka**	**2500**	**0**	**2500**	**Feb'26**	**4470**	**600**	**5070**	**0**	**500**	**500**	**30**	**1000**	**1030**	**0**	**0**	**0**	2500 MW : Feb'26 1000 MW: Feb'27 (Augmentation of 3x500 MVA ICTs (6th - 8th) & 1x1500 MVA ICT(4th)) 1500 MW : Augmentation of 2x500 MVA ICTs (9th & 10th) & 1x1500 MVA ICT(5th) and Bidar - Parli 765kV D/c line is required to accommodate under process applications.
14	**Ananthapuram/ Kurnool complex**	**Andhra Pradesh**	**19500**	**0**	**19500**	2026-27	**7415**	**6300**	**13715**	**3035**	**1000**	**4035**	**1150**	**-400**	**750**	**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	• *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**	7500	0	7500	Mar'27	4012	1900	5912	**1125**	**1000**	**2125**	-137	-400	-537	0	0	0	Mar'27 • New Pooling Station under bidding in Ananthapuram area of AP. • Augmentation of 4x500 MVA ICT (7th to 10th) is required to accommodate under process applications. • 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)

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 31-12-2024)

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)	
c	Kurnool-IV	**Andhra Pradesh**	7500	0	7500	Mar'27	3403	900	4303	1910		1910	1287	0	1287	0		0	Mar'27 • New Pooling Station under bidding in Kurnool area of AP. • Augmentation of 5x500 MVA ICT (5th to 10th) is required to accommodate under process applications. • Augmentation of 5x500 MVA ICT (5th to 10th) is required to accommodate under process applications.
15	**Tumkur-II**	**Karnataka**	**1500**	**0**	**1500**	**Sep'26**	**4050**	**0**	**4050**	**300**	**0**	**300**	150	0	150	0	**0**	**0**	1500 MW : Sep'26 3000 MW: Augmentation of 6x500 MVA ICTs (6th - 10th) & Tumkur-II - Madhugiri 400kV D/c 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**	**1100**	**0**	**1100**	**500**	**0**	**500**	**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**		**28168**	**6900**	**35068**	**7777**	**2700**	**10477**	**7205**	**600**	**7805**	**13000**	**0**	**13000**	
Total (SR)			**66050**	**3000**	**63050**		**54528**	**13260**	**67788**	**8717**	**3200**	**11917**	**7896**	**600**	**8496**	**13300**	**0**	**13300**	
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	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																			

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 31-12-2024)

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)	
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**				
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	0				
c	Khvada III PS (Sec-I)	Gujarat	1500		1500	Sec-I ICT : Jul'25		1500	1500		0	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**	

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 31-12-2024)

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**		**7500**		**7500**		**0**	**6200**	**6200**	**0**	**12500**	**12500**	**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** **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**		1250	**1250**	
c	Khvada 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**	
d	Khavda IV PS (Sec-I & II)	Gujarat	0		8750	Oct/Nov-27 (exptd)					8750	**8750**	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**	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	700.0	3150.0		1200	**1200**	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.**

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 31-12-2024)

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)	
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		1734	1734	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	0		0	24	0	24	2000	0	2000	Feb-26 (SCOD): Under Implementation
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	2100	1000	3100	0	0	0	900	500	1400			0	Substation is under planning for 4.5GW in first phase.
23	Raghanesda (GIS)	Gujarat	3000		3000	Jan-27 (Exp. SCOD)	650	2800	3450	1205	2100	3305		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 accomodated at Raghanesda 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	650	650		0	0		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	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	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

Connectivity Margin available at ISTS substations

(all fig. in MW, as on 31-12-2024)

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)	
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**	**17001**	**40636**	**1505**	**19334**	**20839**	**2601**	**2322**	**4923**	**5000**	**1940**	**6940**	
	Total (WR)		**67200**	**0**	**67200**		**39125**	**43722**	**81797**	**1505**	**19413**	**20918**	**2601**	**2322**	**4923**	**5000**	**1940**	**6940**	
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)			**264463**	**23500**	**239963**		**151454**	**99903**	**250307**	**12321**	**26213**	**38533**	**10716**	**16172**	**26889**	**23553**	**3840**	**27393**	

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