List of Connectivity Margin in ISTS Substations available (all fig. in MW, as on 31-05-2024)

(incorporated decision of reallocation meeting of NR for Bhadla & Fatehgarh-Barmer complex held on 12.06.2024 - Bhadla-II, Bhadla-III, Fatehgarh-III (Sec-II), Fatehgarh-IV (Sec-II) & Barmer-I))

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**	**1700**	**9175**	**0**	**0**	**0**	**0**	**350**	**350**	**0**	**0**	**0**	**4705MW: Existing 50MW: Jul'24 (Bhinmal Bypass) 3070MW: Sep'24 : (Ph-II Part-D/E) 1700MW:Mar'25 onwards (Ph-III) (upto Jun'26)**
a	Bhadla	Rajasthan	3380	0	3380	Existing	3580	0	3580	0	0	0	0	0	0	**0**	**0**	**0**	3530MW: Existing 50MW: Bhinmal Bypass (Jul'24)
b	Bhadla-II**	Rajasthan	5050	0	5050	Existing	3895	1700	5595	0	0	0	0	350	350	**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 Jun'26) ****Subsequent to Hon'ble APTEL vide order dated 28.05.2024, a meeting for reallocations of bays/margin in Bhadla & Fatehgarh-Bramer Complex was held on 12.06.2024 wherein 150MW margin available at 220kV was re-allocated whereas no developer opted for 350MW margin availble at 400kV. Now, this 350MW capacity can be opted by already received appliactions of about 4GW in Bhadla Complex.**
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 Jun'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 Jun'26) Connectivity can only be accommodated upto 5460MW @ Fatehgarh-II PS.
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**	**50**	**50**	**0**	**0**	**0**	**0**	**0**	**0**	**2865MW: Existing 780MW: Sep'24 (Ph-II-G) 580MW: Dec'25 (upto Jun'26) (Ph-IV Part-I &II)**
a	Bikaner	Rajasthan	1850	0	1850	Existing	1235	2940	4175	0	50	50	0	0	0	0	0	0	2865MW: Existing 780MW: Sep'24 (Ph-II-G) 580MW: Dec'25 (upto Jun'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: Sep'24 (Ph-II Part-G)
	Sub-Total (Existing)		**21880**	**0**	**21880**		**16650**	**7840**	**24490**	**320**	**900**	**1220**	**0**	**350**	**350**	**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 Jun'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**	**3550**	**7645**	**0**	**0**	**0**	**50**	**0**	**50**	**0**	**0**	**0**	**Feb'25 onwards (Ph-III) (Upto Jun'26)**

List of Connectivity Margin in ISTS Substations available (all fig. in MW, as on 31-05-2024)

(incorporated decision of reallocation meeting of NR for Bhadla & Fatehgarh-Barmer complex held on 12.06.2024 - Bhadla-II, Bhadla-III, Fatehgarh-III (Sec-II), Fatehgarh-IV (Sec-II) & Barmer-I))

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)	
a	Fatehgarh-III (Section-II)	Rajasthan	5233	0	5233	Feb'25	2070	3550	5620	0	0	0	50	0	50	0	0	0	Feb'25 onwards- (Ph-III) (Upto Jun'26) **Subsequent to Hon'ble APTEL vide order dated 28.05.2024, a meeting for reallocations of bays/margin in Bhadla & Fatehgarh-Bramer Complex was held on 12.06.2024 wherein 650MW (out of 667MW) margin available at 400kV was allocated. Regarding balance 17MW margin, in reallocation meeting, iIt was deliberated that 17MW margin is very less quantum to be declared at 400kV and may be omitted pending CMETS-NR meeting decision.
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 Jun'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 Jun'26) (Ph-IV Part-I) **Regarding 675MW, CTU has filed review petition before Hon'ble Commission to review the order in Petition No. 114/MP/2023. This capacity is reserved till outcome of the same.
4	(Ramgarh Complex) Ramgarh	Rajasthan	4000	0	4000	Mar'25	0	650	650	1200	2250	3450	0	0	0	0	0	0	650MW-2900MW : Bhadla HVDC (Jun'28 Pole-1 & Dec'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 Mar'30). Connectivity beyond 4000MW at Ramgarh PS to be accommodated at Ramgarh-II PS utilising under planning HVDC scheme (Mar'30 onwards)
	Sub-Total (Jul'24 to Jun'25)		18833	3000	15833		8380	5200	13580	1200	2250	3450	725	0	725	0	0	0	
	Sub-Total NR (By Jun'25)		40713	3000	37713		25030	13040	38070	1520	3150	4670	725	350	1075	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 Jun'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (Jun'28 Pole-1 & Dec'28 Pole-2)
2	(Bikaner Complex) Bikaner-III**	Rajasthan	7000	3000	4000	Dec'25	2267	2400	4667	0	0	0	0	0	0	0	0	0	4000MW: Dec'25 (Ph-IV, Part-I) (Upto Jun'26) 667MW: with Bikaner-IV tr. System having tentative schedule Oct'26
	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	Jun'26	3430	1500	4930	0	0	0	50	0	50	0	0	0	Hybrid RE Potential : 9GW (Wind+Solar) along with BESS (4 GW), S/s Evacuation Capacity: 5GW For 4000MW (out of 5000MW): Jun'26 (Ph-IV, Part-II). For evacuation of balance 980MW, additional Tr. System approved recently (sch.Dec'26 onwards). **Subsequent to Hon'ble APTEL vide order dated 28.05.2024, a meeting for reallocations of bays/margin in Bhadla & Fatehgarh-Barmer Complex was held on 12.06.2024 wherein 650MW capacity was reallocated at Fatehgarh-III PS (Section-II). Vacated capcaity i.e. 650MW was offered to eligible entities during the meeting wherein 600MW (out of 650MW) was allocated. After above reallocation, 50MW margin remained vacant which can be opted by already received application of about 8GW in Fatehgarh-Barmer Complex as per their application priority.

List of Connectivity Margin in ISTS Substations available (all fig. in MW, as on 31-05-2024)

(incorporated decision of reallocation meeting of NR for Bhadla & Fatehgarh-Barmer complex held on 12.06.2024 - Bhadla-II, Bhadla-III, Fatehgarh-III (Sec-II), Fatehgarh-IV (Sec-II) & Barmer-I))

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)	
2	(Fatehgarh-Barmer Complex) Barmer-I**	Rajasthan	5500	1500	4000	Jun'26	2450	0	2450	1550	0	1550	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: Jun'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, connectvity will be provided at Barmer-II PS for which system is under planning (sch.upto Dec'29). **Subsequent to Hon'ble APTEL vide order dated 28.05.2024, a meeting for reallocations of bays/margin in Bhadla & Fatehgarh-Bramer Complex was held on 12.06.2024 wherein 600MW capacity was reallocated at Fatehgarh-III PS (Section-II). Applications already received in Fathegarh-Barmer complex shall be accommodated against this 600MW capacity based on their priority.
3	(Fatehgarh-Barmer Complex) Barmer-II	Rajasthan	6000	0	6000	Feb'29 to Aug'29 (HVDC)	0	0	0	2760	2713	5473	0	0	0	0	0	0	HVDC Corridor is under planning for total 6 GW capacity (Expected Sch.Pole-1:Jun'29, Pole-2: Dec'29]. Barmer-II S/s capacity (5 GW or 6 GW) shall depend on HVDC technology (LCC:6 GW; VSC:5 GW)
4	(Fatehgarh-Barmer Complex) Barmer-III	Rajasthan	6000	0	6000	Feb'29 to Aug'29 (HVDC)	0	0	0	250	1912	2162	0	0	0	3750	88	3838	HVDC Corridor is being planned for total 6 GW capacity (Expected Sch. Up to Mar'30]. Barmer-III S/s capacity (5 GW or 6 GW) shall depend on HVDC technology (LCC:6 GW; VSC:5 GW)
5	(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. -Oct'26). For application of >6GW, connectvity will be provided at Bikaner-V PS for which system is under planning (sch.upto Dec'29).
6	(Bikaner Complex) Bikaner-V**	Rajasthan	4000	0	4000	Feb'29 to Aug'29 (HVDC)	0	0	0	1386	2000	3386	0	0	0	614	0	614	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 (6GW HVDC) (Expected Sch.Pole-1:Jun'29, Pole-2: Dec'29]). Beyond 6GW (combinedly for Bhadla-IV & Bikaner-V), transmission system is under planning (Schedule up to Mar'30)
7	Sirohi	Rajasthan	3000	1000	2000	Jun'26	0	0	0	3350	0	3350	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 under finalization (Exp. sch. Feb'27). Beyond 2 GW in Sirohi complex, Tr. system (HVDC) to be identified (Sch.- up to Mar'30).

List of Connectivity Margin in ISTS Substations available (all fig. in MW, as on 31-05-2024)

(incorporated decision of reallocation meeting of NR for Bhadla & Fatehgarh-Barmer complex held on 12.06.2024 - Bhadla-II, Bhadla-III, Fatehgarh-III (Sec-II), Fatehgarh-IV (Sec-II) & Barmer-I))

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	Bhadla Complex (Bhadla-III Section linked to Bhadla HVDC station & system)**	Rajasthan	3000	0	3000	Jun'28 to Dec'28 (5x500MVA, 400/220kV ICT)	1800	850	2650	0	0	0	350	0	350	0	0	0	3700MW : Mar'25 onwards (Upto Jun'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, connectvity will be provided at Bhadla-IV PS for which system is under planning (sch.upto Dec'29). **Subsequent to Hon'ble APTEL vide order dated 28.05.2024 , a meeting for reallocations of bays/margin in Bhadla & Fatehgarh-Barmer Complex was held on 12.06.2024 wherein 400MW (out of 600MW) margin available at 220kV was re-allocated . Further, during the meeting additional 150MW margin (220kV in sharing) was also created due to reallocation of connectivity from Bhadla-III to Bhadla-II. Now, this 350MW capacity can be opted by already received applications of about 4GW in Bhadla Complex as per their appliaction priority.

List of Connectivity Margin in ISTS Substations available (all fig. in MW, as on 31-05-2024)

(incorporated decision of reallocation meeting of NR for Bhadla & Fatehgarh-Barmer complex held on 12.06.2024 - Bhadla-II, Bhadla-III, Fatehgarh-III (Sec-II), Fatehgarh-IV (Sec-II) & Barmer-I))

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	Bhadla Complex (Bhadla-IV*)	Rajasthan	4000	2000	2000	Feb'29 to Aug'29 (HVDC)	0	0	0	700	2900	3600	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 (6GW HVDC) (Expected Sch.Pole-1:Jun'29, Pole-2: Dec'29]). Beyond 6GW (combinedly for Bhadla-IV & Bikaner-V), transmission system is under planning (Schedule up to Mar'30)
10	Nagaur Complex (Merta-II)	Rajasthan	2000	0	2000	Dec'26	0	0	0	2800	0	2800	0	0	0	0	0	0	Connectivity at Merta-II in Nagaur Complex will be granted upto 2 GW only. Immediate evacaution 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. However Inter rgional Tr. requirement for 2GW power evacuation for connectivity under GNA is planned (Sch. Feb'27).Beyond 2 GW in Merta/Nagaur complex, Tr. system to be identified (Sch.- up to Mar'30).
11	Jalore Complex (Jalore)	Rajasthan	3000	1000	2000	Mar'30	0	0	0	0	1000	1000	0	0	0	1000	0	1000	HVDC Transmission system for evacuation of power fromJalore complex (Jalore/Pali/Sanchore) is under planning (Exp. Comm. Schedule up to Mar'30).
12	Rishabhdeo	Rajasthan	0	0	0	Jun'26	0	0	0	400	0	400	0	0	0	0	0	0	No RE potential is declared in Rishabdeo complex in Rajasthan. At present, 765kV Rishabhdeo S/s is under advance stage of bidding as part of Raj. REZ Ph-IV Part-2. However the scope doesnot include 400kV or 220kV level development in the bidding. Further, for immediate connectivity & onward evacuation of power, additional tr. system may be required, which shall be planned (sch-upto Mar'30).
13	(Ramgarh Complex) Ramgarh-II	Rajasthan	5000	0	5000	Mar'30	0	0	0	1510	3384	4894	0	0	0	990	116	1106	HVDC Transmission system for evacuation of power is under planning (Exp Comm. Schedule up to Mar'30).
15	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 awaited.
	Sub-Total NR (Beyond Dec'25)		69500	9500	60000		10030	4800	14830	14906	14909	29815	400	13000	13400	6354	204	6558	
Total (NR)			118213	15500	102713		38327	20240	58567	16426	18059	34485	1125	13350	14475	6354	204	6558	

List of Connectivity Margin in ISTS Substations available (all fig. in MW, as on 31-05-2024)

(incorporated decision of reallocation meeting of NR for Bhadla & Fatehgarh-Barmer complex held on 12.06.2024 - Bhadla-II, Bhadla-III, Fatehgarh-III (Sec-II), Fatehgarh-IV (Sec-II) & Barmer-I))

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)	
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 Tirunelvelli (PG))**	**Tamil Nadu**	**2500**	**0**	**2500**	**Existing**	2320		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	2383	0	2383	**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**		**2383**	**0**	**2383**	**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**	**2650**	**5040**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**Nov'24**
a	Kurnool-III PS	**Andhra Pradesh**	4500	0	4500	Nov'24	2390	2650	5040	**0**	**0**	**0**	0	0	0				Nov'24 **Kurnool-III PS has been closed for all purposes.**
	Sub-Total (June'24 to June'25)		**4500**	**0**	**4500**		**2390**	**2650**	**5040**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
	Sub-Total SR (by June'25)		**16550**	**0**	**16550**	**0**	**15014**	**2650**	**17664**	**0**	**0**	**0**	**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**	**762**	**0**	**762**	**330**	**0**	**330**	**490**		**490**	**0**	**0**	**0**	*500 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**	**326.0**	**0**	**326.0**	**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	Dec'25
b	Gadag-II PS	**Karnataka**	4000	1000	3000	Dec'25	3476	1800	5276	326	0	326	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**	**1545**	**2710**	**4255**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**Progressivly from Sept'25 to 2026-27**
a	Ananthapuram PS	**Andhra Pradesh**	3500	0	3500	Sept'25	1545	2710	4255	0	0	0	**0**	**0**	**0**	**0**	**0**	**0**	*Sept'25* *Ananthapuram PS has been closed for all purposes.*
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**		**10757**	**4510**	**15267**	**656**	**0**	**656**	**490**	**0**	**490**	**0**	**0**	**0**	
E. Commissioning beyond Dec'25																			
11	**Davangere Complex**	**Karnataka**	**5500**	**1000**	**4500**	**2026-27**	**1400**	**0**	**1400**	**940**	**0**	**940**	**1160**	**1500**	**2660**	**1500**	**1000**	**2500**	**2026-27**
a	Davangere	**Karnataka**	4000	1000	3000	2026-27	1400	0	**1400**	**940**	**0**	**940**	160	1000	1160	0	1000	1000	2026-27 Augmentation of 2x500 MVA ICTs is required to accommodate under process applications.

List of Connectivity Margin in ISTS Substations available (all fig. in MW, as on 31-05-2024)

(incorporated decision of reallocation meeting of NR for Bhadla & Fatehgarh-Barmer complex held on 12.06.2024 - Bhadla-II, Bhadla-III, Fatehgarh-III (Sec-II), Fatehgarh-IV (Sec-II) & Barmer-I))

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	Bellary	**Karnataka**	1500	0	1500	2026-27	0	0	0	0	0	0	1000	500	1500	1500	0	1500	2026-27
12	**Bijapur**	**Karnataka**	**2000**	**0**	**2000**	2026-27	**1914**	**0**	**1914**	1656	0	1656	**430**	**0**	**430**	**500**		**500**	2026-27 Augmentation of ICTs and transmission line is required to accommodate under process applications.
13	**Bidar PS**	**Karnataka**	**2500**	**0**	**2500**	**Feb'26**	**1650**	**0**	**1650**	850	0	850	**0**	**0**	**0**	**500**		**500**	**Feb'26** 500 MVA ICT (6th) is required to accommodate under process applications.
14	**Ananthapuram/ Kurnool complex**	**Andhra Pradesh**	**13000**	**0**	**13000**	2026-27	**660**	**7170**	**7830**	2289	990	3279	**2211**	**4000**	**6211**	**3000**	**5189**	**8189**	**Progressivly 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	*• 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**	4000	0	4000	2026-27	0	0	0	1689	990	2679	311	2000	2311	1500	3689	5189	2026-27 • New Pooling Station under approval in Ananthapuram area of AP. • Application for 990 MW sought at Kadapa-II
c	Kurnool-IV	**Andhra Pradesh**	4500	0	4500	2026-27	0	3220	3220	600	0	600	1900	2000	3900	1500	1500	3000	2026-27 • PSP of 800 MW not considered for determination of margins • 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
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**		**6124**	**7170**	**13294**	5735	990	6725	**9801**	**5500**	**15301**	**17000**	**6189**	**23189**	
Total (SR)			**61550**	**3000**	**58550**		**31895**	**14330**	**46225**	6391	990	7381	**10471**	**5500**	**15971**	**17100**	**6189**	**23289**	
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	Jun'24	916	0	916	0	0	0	0	0	0				1GW: Under Construction-Jun-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**	

List of Connectivity Margin in ISTS Substations available (all fig. in MW, as on 31-05-2024)

(incorporated decision of reallocation meeting of NR for Bhadla & Fatehgarh-Barmer complex held on 12.06.2024 - Bhadla-II, Bhadla-III, Fatehgarh-III (Sec-II), Fatehgarh-IV (Sec-II) & Barmer-I))

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. 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	Khvada III PS (Sec-I)	Gujarat	3000		3000	Jan'25		3000	3000			0	0	0	0				
11	Chhatarpur PS	Madhya Pradesh	1500		1500	Bidding in abeyance (18 months from award)	0		0			0	1500	0	1500				Bidding in abeyance (18 months from award) No application
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)
13	Parli (New) S/s	Maharashtra	700		700	Existing		300	300		580	580		120	120				400kV bay under construction (suitable for 1000MW evacuation): Dec'25
	Subtotal (Jun-24 to Jun-25)		**17950**		**17950**		**1036**	**14811**	**15846**	**0**	**580**	**580**	**1500**	**409**	**1620**				
	Sub-Total (WR) by Jun'25		**31900**		**31900**		**12627**	**15811**	**28438**	**450**	**633**	**1083**	**1500**	**1409**	**2620**	**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**				**•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				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 : 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				
15	Bhuj PS	Gujarat	464		464	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.**
16	Lakadia PS	Gujarat	1000		1000	Aug'25	950	0	950	0		0	0	0	0	0	0	0	Aug-25: Under Implementation
	Sub-Total (WR) (Jul'25 to Dec'25)		**10464**	**0**	**10464**		**1414**	**9000**	**10414**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

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(incorporated decision of reallocation meeting of NR for Bhadla & Fatehgarh-Barmer complex held on 12.06.2024 - Bhadla-II, Bhadla-III, Fatehgarh-III (Sec-II), Fatehgarh-IV (Sec-II) & Barmer-I))

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																			
17	**Khavda complex**		**6000**		**6000**		**0**	**2200**	**2200**	**0**	**1400**	**1400**	**0**	**0**	**0**	**0**	**2400**	**2400**	**•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) month sfrom 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	Khvada III PS (Sec-I & II)	Gujarat	4500		4500	Sec-II ICTs: Jun-26 (3x1500) & 2026-27 (1x1500)		1950	1950		1400	**1400**	0	0	**0**		1150	**1150**	
18	Solapur PS (1.5GW)	Maharashtra	1500		1500	Mar-26 (exptd)	960.0		960.0	490		**490**	50.0	0	**50.0**	**1500**	**0**	**1500**	Mar-26: Under Implementation
19	Pachora PS	Madhya Pradesh	1000		1000	Feb-26 (exptd)	1144		1144	631		**631**	0	0	**0**	**827**	**0**	**827**	1GW: Feb-26 (exptd) :Under Implementation Beyond capacity of 1000MW, Rajgarh Ph-III (1.5GW) is under planning stage.
20	Mandsaur PS	Madhya Pradesh	2000		2000	Apr-26 (exptd)	800	1512	2312	200	600	**800**	400	0	**400**	**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	600	600	297	0	**297**	703	400	**1103**	**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 injectoin at 220kV level.**
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 uner 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

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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)	
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.
33	Lakadia PS-II / Rapar (Under Planning)	Gujarat	3000		3000	2026-27	0		0	1821	700.0	2521	179	300	479	0	0	0	Substation is uner planning. Shall be finalised based on potential to be declared by MNRE.
15	Bhuj PS	Gujarat	536		536	2026-27	0		0	418		418	118	0	118				10th ICT at Bhuj PS shall be required for applications beyond 4000MW
	Subtotal WR (Beyond Dec'25)		**25666**	**0**	**25666**		**8776**	**4912**	**13688**	**4207**	**2700**	**6907**	**3600**	**3730**	**9030**	**7827**	**2400**	**10227**	
	Total (WR)		**68030**	**0**	**68030**		**22818**	**29723**	**52540**	**4657**	**3333**	**7990**	**5100**	**5139**	**11650**	**7827**	**2400**	**10227**	
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)			**248793**	**18500**	**230293**		**93039**	**65043**	**158082**	**27474**	**22382**	**49855**	**16696**	**24239**	**42346**	**32781**	**8793**	**41574**	
By Jun'25			**89163**	**3000**	**86163**		**52671**	**31501**	**84172**	**1970**	**3783**	**5753**	**2405**	**1759**	**3875**	**100**	**0**	**100**	
By Dec'25			**34964**	**5000**	**29964**		**15438**	**15910**	**31348**	**656**	**0**	**656**	**490**	**0**	**490**	**0**	**0**	**0**	
Beyond Dec'25			**124666**	**10500**	**114166**		**24931**	**17632**	**42563**	**24848**	**18599**	**43447**	**13801**	**22480**	**37981**	**32681**	**8793**	**41474**	

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