

**List of Connectivity Margin in ISTS Substations available by Mar-30** (all fig. in MW, as on 31-03-2024)

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]	RE Potential - BESS [A-B]		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
<b>Northern Region</b>																			
<b>A. Existing RE Pooling Stations</b>																			
1	Bhadla Complex	Rajasthan	8430	0	8430	Existing	7325	1700	9025	100	335	435	50	15	65	0	0	0	4755MW: Existing 1470MW: Sep'24 : (Ph-II Part-D) 1600MW: Sep'24 (Ph-II Part-E) 1700MW:Mar'25 onwards (Ph-III) (upto Apr'26)
a	Bhadla	Rajasthan	3380	0	3380	Existing	3580	0	3580	0	0	0	0	0	0	0	0	0	Existing Tr. System
b	Bhadla-II**	Rajasthan	5050	0	5050	Existing	3745	1700	5445	100	335	435	50	15	65	0	0	0	1175MW: Existing 1470MW: Sep'24 : (Ph-II Part-D) 1600MW: Sep'24 (Ph-II Part-E) 1700MW: Mar'25 onwards (Ph-III) (upto Apr'26) <b>**CERC order in 268/MP/2023 &amp; 269/MP/2023 stipulates re-allocation exercise to be carried out again. However, matter subjudice with APTEL. Available margin (435+65 MW) shall be offered for reallocation followed by allocation to new applicants (incl. connectivity under process) subject to APTEL directions/CERC approved procedure for reallocation</b>
2	Fatehgarh 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 Apr'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 Apr'26) Connectivity can only be accommodated upto 5460MW @ Fatehgarh-II PS. <b>**CERC order in 268/MP/2023 &amp; 269/MP/2023 stipulates re-allocation exercise to be carried out again. However, matter subjudice with APTEL. Available margin (upto 1000 MW) shall be offered for reallocation followed by allocation to new applicants (incl. connectivity under process) subject to APTEL directions/CERC approved procedure for reallocation.</b>
c	Fatehgarh-III (Section-I)	Rajasthan	1900	0	1900	Existing	2480	0	2480	0	0	0	0	0	0	0	0	0	200MW: Existing 1780MW: Sep'24(Ph-II) Including 2x250MW BESS granted at Fatehgarh-III (Section-I)
3	Bikaner Complex	Rajasthan	3850	0	3850	Existing	2235	3940	6175	0	0	0	0	50	50	0	0	0	2865MW: Existing 2110MW: Jun'24 (Ph-II-G) 300MW : May'24 (Bhin bypass) 370MW: 4th ICT Bikaner (May'24) 580MW: Dec'25 (upto May'26) (Ph-IV Part-I & II )
a	Bikaner	Rajasthan	1850	0	1850	Existing	1235	2940	4175	0	0	0	0	50	50	0	0	0	2865MW: Existing 110MW: Jun'24 (Ph-II-G) 300MW : May'24 (Bhin bypass) 370MW: 4th ICT Bikaner (May'24) 580MW: Dec'25 (upto May'26) (Ph-IV Part-I & II )
b	Bikaner-II	Rajasthan	2000	0	2000	2x500MVA, 400/220kV ICT at Bikaner-II PS: Existing	1000	1000	2000	0	0	0	0	0	0	0	0	0	2000MW: Jun'24 (Ph-II Part-G)
<b>Sub-Total (Existing)</b>			<b>21880</b>	<b>0</b>	<b>21880</b>		<b>16500</b>	<b>7840</b>	<b>24340</b>	<b>420</b>	<b>1185</b>	<b>1605</b>	<b>50</b>	<b>65</b>	<b>115</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>B. Commissioning between Jul'24 - Jun'25</b>																			

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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]	RE Potential - BESS [A-B]		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
1	(Bhadla Complex) Bhadla-III*	Rajasthan	2500	0	2500	Mar'25 (3x500MVA, 400/220kV ICT & 2x1500MVA, 765/400kV ICT)	1500	1000	2500	0	0	0	0	0	0	0	0	0	3700MW : Mar'25 onwards (Upto Apr'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (May'28 Pole-1 & Nov'28 Pole-2)
2	Fatehgarh Complex	Rajasthan	7333	0	7333		4095	2900	6995	0	0	0	50	667	717	0	0	0	Feb'25 onwards (Ph-III) (Upto May'26)
a	Fatehgarh-III (Section-II)	Rajasthan	5233	0	5233	Feb'25	2070	2900	4970	0	0	0	50	667	717	0	0	0	Feb'25 onwards (Ph-III) (Upto May'26) <b>**Re-allocation matter subjudice with APTEL. Available margin (upto 717 MW) shall be offered for reallocation followed by allocation to new applicants (incl. connectivity under process) subject to APTEL directions/CERC approved procedure for reallocation</b>
b	Fatehgarh-IV (Section-I)*	Rajasthan	2100	0	2100	Feb'25	2025	0	2025	0	0	0	0	0	0	0	0	0	Feb'25 onwards (Ph-III) (Upto May'26)
3	(Bikaner Complex) Bikaner-II**	Rajasthan	5000	3000	2000	400kV BikanerII PS: Existing 5x500MVA, 400/220kV ICT: Dec'24 1x500MVA, 400/220kV ICT: Jan'25	2785	0	2785	0	0	0	675	0	675	0	0	0	827MW: Dec'24 (Bikaner-II Additional 400/220kV ICTs) 2633MW: Dec'25 (Upto May'26) (Ph-IV Part-I) <b>**Regarding 675MW, The Commission directed the CTUIL not to allocate 675MW at Bikaner- II PS to any other entity till outcome of the petition 114/MP/2023</b>
4	(Ramgarh Complex) Ramgarh	Rajasthan	4000	0	4000	Mar'25	0	650	650	1800	3534	5334	0	0	0	0	0	0	650MW-2900MW : Bhadla HVDC (May'28 Pole-1 & Nov'28 Pole-2) <b>Transmission system for evacuation of power (beyond 2.9GW and upto 4 GW) is under planning (Exp Comm. up to Dec'29). Connectivity beyond 4000MW at Ramgarh PS may be accommodated at Ramgarh-II PS.</b>
Sub-Total (Jul'24 to Jun'25)			18833	3000	15833		8380	4550	12930	1800	3534	5334	725	667	1392	0	0	0	
Sub-Total NR (By Jun'25)			40713	3000	37713		24880	12390	37270	2220	4719	6939	775	732	1507	0	0	0	
<b>C. Commissioning between Jul-25 to Dec-25</b>																			
1	(Bhadla Complex) Bhadla-III*	Rajasthan	1000	0	1000	Sep'25 (2x500MVA, 400/220kV ICT & 2x1500MVA, 765/400kV ICT)	1000	0	1000	0	0	0	0	0	0	0	0	0	3700MW : Mar'25 onwards (Upto May'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (May'28 Pole-1 & Nov'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 May'26) 667MW: with Bikaner-IV tr. System having schedule Sep'26 <b>**Out of total 4667 MW, about 900 MW was earlier reallocated from Bikaner-IV to Bikaner-III. CERC order in 268/MP/2023 &amp; 269/MP/2023 stipulates re-allocation exercise to be carried out again. However reallocation matter is subjudice with APTEL; margin allocation shall be subject to outcome of APTEL directions/CERC Approved Procedure for reallocation.</b>
Sub-Total (Jul'25 to Dec'25)			8000	3000	5000		3267	2400	5667	0	0	0	0	0	0	0	0	0	
<b>D. Commissioning between Jan-26 to Mar-30</b>																			

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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]	RE Potential - BESS [A-B]		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
1	(Fatehgarh Complex) Fatehgarh-IV (Section-II)**	Rajasthan	9000	4000	5000	May'26	3480	1500	4980	0	0	0	0	0	0	0	0	0	RE Potential : 9GW (Wind:3GW, Solar:6GW) 4000MW: May'26 (Ph-IV, Part-II) For evacuation of balance 1050MW at Fatehgarh-IV (Sec-2), additional Tr. System under planning (sch.Sep'26 onwards). **About 100 MW earlier reallocated from Barmer-I to Fatehgarh-IV. CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise to be carried out again. However reallocation matter is subjudice with APTEL; margin allocation shall be subject to outcome of APTEL directions/CERC Approved Procedure for reallocation
2	(Barmer Complex) Barmer-I**	Rajasthan	5500	1500	4000	May'26	3050	0	3050	950	0	950	0	0	0	0	0	0	RE Potential: 5.5GW (Wind:1.5GW, Solar:4GW), About 1.5GW: May'26 (Ph-IV, Part-II) For evacuation of >1.5GW (upto 4GW) power at Barmer-I, additional Tr. System under approval (sch.Sep'26 onwards). For application of >4GW, connectivity will be provided at Barmer-II PS for which system is under planning (sch.upto Aug'29 ). **About 100 MW earlier reallocated from Barmer-I to Fatehgarh-IV. CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise to be carried out again. However reallocation matter is subjudice with APTEL; margin allocation shall be subject to outcome of APTEL directions/CERC Approved Procedure for reallocation.
3	(Barmer Complex) Barmer-II	Rajasthan	6000	0	6000	Feb'29 to Aug'29 (HVDC)	0	0	0	2760	2713	5473	0	0	0	527	0	527	HVDC Corridor is being planned for total 6 GW capacity (Expected Sch.Pole-1:Feb'29, Pole-2: Aug'29)
4	(Bikaner Complex) Bikaner-IV**	Rajasthan	6000	0	6000	Sep'26	2350	2450	4800	200	1000	1200	0	0	0	0	0	0	Comprehensive Transmission scheme for Bikaner-IV PS (6GW) is under bidding (exp. Sch. -Sep'26). **About 900 MW was earlier reallocated from Bikaner-IV to Bikaner-III. CERC order in 268/MP/2023 & 269/MP/2023 stipulates re-allocation exercise to be carried out again. However reallocation matter is subjudice with APTEL; margin allocation shall be subject to outcome of APTEL directions/CERC Approved Procedure for reallocation.
5	(Bikaner Complex) Bikaner-V**	Rajasthan	4000	0	4000	Feb'29 to Aug'29 (HVDC)	0	0	0	1186	1000	2186	0	0	0	2814	1000	3814	HVDC Corridor is being planned for total 6 GW capacity (combinedly for Bhadla-IV & Bikaner-V, margins to be allocated based on application priority for both complexes together). **Transmission system is under planning (HVDC) (Expected Sch.Pole-1:Feb'29, Pole-2: Aug'29)].
6	Sirohi	Rajasthan	3000	1000	2000	May'26	0	0	0	1300	0	1300	0	0	0	0	700	700	Tr. System under finalization for 1GW evacuation (Exp. sch. Mar'27). For balance 1GW evacuation, Tr. System is being planned (exp. sch. upto Mar'28). Presently Sirohi 400kV level under bidding; 220kV level if required shall have to be taken up for approval seperately
7	Bhadla Complex (Bhadla-III Section linked to Bhadla HVDC station & system)**	Rajasthan	3000	0	3000	May'28 to Nov'28 (5x500MVA, 400/220kV ICT)	1550	850	2400	0	0	0	600	0	600	0	0	0	33700MW : Mar'25 onwards (Upto May'26): cumulative at Ramgarh & Bhadla-III: Raj. (Ph-III) Beyond 3700MW : Bhadla HVDC (May'28 Pole-1 & Nov'28 Pole-2) **600 MW margin (2 nos. 220kV bay) reserved as per court order- reallocation matter subjudice.



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			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-B]		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
b	Gadag-II PS	Karnataka	4000	1000	3000	Dec'25	3476	1800	5276	290	0	290	0	0	0	0	0	0	Dec'25 PSP of 900 MW not considered for determination of margins
10	Ananthapuram/ Kurnool complex	Andhra Pradesh	5000	0	5000	Sep'25	1195	2710	3905	0	0	0	0	0	0	0	0	0	Progressively from Sept'25 to 2026-27
a	Ananthapuram PS	Andhra Pradesh	3500	0	3500	Sept'25	1195	2710	3905	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		10127	4510	14637	386	0	386	7	0	7	500	0	500	
<b>E. Commissioning beyond Dec'25</b>																			
11	Davangere Complex	Karnataka	5500	1000	4500	2026-27	200	0	200	440	0	440	1860	2000	3860	2500	2000	4500	2026-27
a	Davangere	Karnataka	4000	1000	3000	2026-27	200	0	200	440	0	440	860	1500	2360	1000	1000	2000	2026-27
b	Bellary	Karnataka	1500	0	1500	2026-27	0	0	0	0	0	0	1000	500	1500	1500	1000	2500	2026-27
12	Bijapur	Karnataka	2000	0	2000	2026-27	1454	0	1454	360	0	360	186	0	186	2500		2500	2026-27
13	Bidar PS	Karnataka	2500	0	2500	Feb'26	500	0	500	250	0	250	1250	0	1250	1000		1000	Feb'26
14	Ananthapuram/ Kurnool complex	Andhra Pradesh	13000	0	13000	2026-27	660	3950	4610	0	800	800	4500	4000	8500	3000	3500	6500	Progressively from Dec'25 to 2026-27
a	Kurnool-III (Expansion with ICTs)	Andhra Pradesh	4500	0	4500	2026-27	660	3950	4610	0	800	800	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>New pooling station in kurnool area are under approval and the under process application shall be considered</li> </ul>
b	Ananthapuram PS-II	Andhra Pradesh	4000	0	4000	2026-27	0	0	0	0	0	0	2000	2000	4000	1500	2000	3500	2026-27 No application
c	Kurnool-IV	Andhra Pradesh	4500	0	4500	2026-27	0	0	0	0	0	0	2500	2000	4500	1500	1500	3000	2026-27 No application
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		3314	3950	7264	1050	800	1850	13796	6000	19796	20500	5500	26000	
	<b>Total (SR)</b>		<b>61550</b>	<b>3000</b>	<b>58550</b>		<b>28308</b>	<b>11110</b>	<b>39418</b>	<b>1586</b>	<b>800</b>	<b>2386</b>	<b>13983</b>	<b>6000</b>	<b>19983</b>	<b>21100</b>	<b>5500</b>	<b>26600</b>	
<b>Western Region</b>																			

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			RE Potential (MW) [A]	BESS (MW) [B]	RE Potential - BESS [A-B]		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
<b>A. Existing RE Pooling Stations</b>																			
1	<b>Bhuj complex</b>		<b>5500</b>		<b>5500</b>	Existing	<b>5413</b>	<b>0</b>	<b>5413</b>	<b>146</b>	<b>0</b>	<b>146</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	Existing Tr. System
a	Bhuj PS	Gujarat	3500		3500	Existing	3354		3354	146		146	0	0	0				Existing Tr. System. 9th ICT at Bhuj PS shall be required for applications beyond 3500MW
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	1200		1200	50		50	0	0	0				Existing Tr. System. Application received beyond 1000MW and no margins are left.
3	Jam Khambhaliya PS	Gujarat	2000		2000	Existing	1969	<b>0</b>	1969	<b>0</b>	<b>52.8</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	Existing Tr. System.
	<b>Subtotal (Existing)</b>		<b>8450</b>		<b>8450</b>		<b>8582</b>	<b>0</b>	<b>8582</b>	<b>196</b>	<b>53</b>	<b>249</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>B. Commissioning between Jan'24 - Jun'24</b>																			
4	Kallam PS (Ph-I)	Maharashtra	1000		1000	Apr-24 (1GW)	916	<b>0</b>	916	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	1GW: Under Construction-Apr-24
5	Pachora PS	Madhya Pradesh	1500		1500	Mar-24 (1.5GW)	1398		1398	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	1.5GW: Commissioned in Mar'24
7	Neemuch PS	Madhya Pradesh	1000		1000	Apr'24	500		500			<b>0</b>	450	<b>0</b>	450	500	<b>0</b>	500	1GW: Under Construction-Apr'24
8	Solapur S/s	Maharashtra	2000		2000	Existing		<b>1000</b>	<b>1000</b>			<b>0</b>	<b>0</b>	<b>1000</b>	<b>1000</b>				Jun-24: Under Scope of applicant (ReNew)
	<b>Subtotal (Jan-24 to Jun-24)</b>		<b>5500</b>	<b>0</b>	<b>5500</b>	<b>0</b>	<b>2814</b>	<b>1000</b>	<b>3814</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>450</b>	<b>1000</b>	<b>1450</b>	<b>500</b>	<b>0</b>	<b>500</b>	
<b>C. Commissioning between Jul'24 - Jun'25</b>																			
10	<b>Khavda complex</b>		<b>13500</b>		<b>13500</b>		<b>0</b>	<b>13500</b>	<b>13500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
a	Khavda I PS (Sec II)	Gujarat	7500		7500	Sec-I: Feb'24 Sec-II: Jan'25		<b>7500</b>	<b>7500</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>				<ul style="list-style-type: none"> <li>•Ph-1: 3GW - Feb'24 (KPS1) / Jan'25 (KPS2)</li> <li>•Ph-2: 5GW- Mar'25</li> <li>•Ph-3: 7GW- Dec'25</li> </ul>
b	Khavda II PS (Sec-I & II)	Gujarat	3000		3000	Sec-I & II: Jan'25		<b>3000</b>	<b>3000</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>				
c	Khavda III PS (Sec-I)	Gujarat	3000		3000	Jan'25		<b>3000</b>	<b>3000</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>				
11	Chhatarpur PS	Madhya Pradesh	1500		1500	Bidding in abeyance (18 months from award)	<b>0</b>		<b>0</b>			<b>0</b>	1500	<b>0</b>	1500				Bidding in abeyance (18 months from award) No application
12	Kallam PS (Ph-II)	Maharashtra	2250		2250	Dec-24 (1GW)	1036	<b>1011</b>	<b>2046</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	289	<b>0</b>				1GW ICTs: Dec-24 & System for 2.25GW: Under Tendering-Sep-25 (exptd)
13	Parli (New) S/s	Maharashtra	700		700	Existing		<b>300</b>	<b>300</b>			<b>0</b>	<b>0</b>	<b>400</b>	<b>400</b>				400kV bay under construction: Dec'25
	<b>Subtotal (Jun-24 to Jun-25)</b>		<b>17950</b>		<b>17950</b>		<b>1036</b>	<b>14811</b>	<b>15846</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1500</b>	<b>689</b>	<b>1900</b>				

**List of Connectivity Margin in ISTS Substations available by Mar-30** (all fig. in MW, as on 31-03-2024)

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]	RE Potential - BESS [A-B]		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
	Sub-Total (WR) by Jun'25		31900		31900		12431	15811	28242	196	53	249	1950	1689	3350	500	0	500	
<b>D. Commissioning between Jul-25 to Dec-25</b>																			
14	Khavda complex		9000		9000		0	9000	9000	0	0	0	0	0	0				<ul style="list-style-type: none"> <li>•Ph-1: 3GW - Completed in Feb-24. However, 2GW at KPS2 using Ph-I system would also require KPS2 S/s (Jan'25)</li> <li>•Ph-2: 5GW- Mar'25</li> <li>•Ph-3: 7GW- Dec'25</li> <li>•Ph-4: 7GW-May-26 (Under bidding - 24 months from SPV transfer)</li> <li>•Ph-V: 48(Bipole-I) / 54(Biple-II) monthsfrom SPV transfer</li> </ul>
a	Khavda I PS (Sec-I)	Gujarat	1500		1500	Sec-I ICT: Dec'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 <b>Total KPS1: 9GW</b> KPS2 - Sec-I: 6GW ; Sec-2: 4.5GW <b>Total KPS2: 10.5GW</b> KPS3 - Sec-I: 4.5GW ; Sec-2: 4.5GW <b>Total KPS3: 9GW</b> <b>Total (KPS1, KPS2 &amp; KPS3): 28.5GW</b> 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 : Dec'25		6000	6000			0	0	0	0				
c	Khavda III PS (Sec-I)	Gujarat	1500		1500	Sec-I ICT : Dec'25		1500	1500			0	0	0	0				
15	Bhuj PS	Gujarat	500		500	Jul'25	0		0	500			0	0	0				9th ICT at Bhuj PS shall be required for applications beyond 3500MW  <b>NO FURTHER MARGINS ARE NOW AVAILABLE. Applications received beyond margins.</b>
16	Lakadia PS	Gujarat	1000		1000	UC (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)		10500	0	10500		950	9000	9950	500	0	500	0	0	0	0	0	0	
<b>E. Commissioning beyond Dec-25</b>																			
17	Khavda complex		6000		6000		0	2200	2200	0	1400	1400	0	0	0	0	2400	2400	<ul style="list-style-type: none"> <li>•Ph-1: 3GW - Part System charged in Dec-23 &amp; balance by Mar-24. However, 2GW at KPS2 using Ph-I system would also require KPS2 S/s (Jan'25)</li> <li>•Ph-2: 5GW- Dec'25</li> <li>•Ph-3: 7GW- Dec'25</li> <li>•Ph-4: 7GW-Mar-26 (Under bidding - 24 months from SPV transfer)</li> <li>•Ph-V: 48(Bipole-I) / 54(Biple-II) monthsfrom SPV transfer</li> </ul>
a	Khavda II PS (Sec-I & II)	Gujarat	1500		1500	Sec-I ICT: 2026-27		250	250			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 <b>Total KPS1: 9GW</b> KPS2 - Sec-I: 6GW ; Sec-2: 4.5GW

**List of Connectivity Margin in ISTS Substations available by Mar-30** (all fig. in MW, as on 31-03-2024)

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]	RE Potential - BESS [A-B]		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
b	Khvada III PS (Sec-I & II)	Gujarat	4500		4500	Sec-II ICTs: May-26 (3x1500) & 2026-27 (1x1500)		1950	1950		1400	1400	0	0	0		1150	1150	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.
18	Solapur PS (1.5GW)	Maharashtra	1500		1500	Mar-26 (exptd)	590.0		590.0	60		60	850.0	0	850.0	1500	0	1500	Mar-26: Under Implementation
19	Pachora PS	Madhya Pradesh	1000		1000	Feb-26 (exptd)	1144		1144	0		0	0	0	0	858	0	858	1GW: Feb-26 (exptd) :Under Implementation Beyond capacity of 1000MW, Rajgarh Ph-III (1.5GW) is under planning
20	Mandsaur PS	Madhya Pradesh	2000		2000	Apr-26 (exptd)	300	1512	1812	0		0	1700	0	1700	2000	0	2000	Apr-26 : Under Bidding
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	May-26 (extd).	0		0	0		0							Jamnagar S/s is presently under tendering with time-line of 24 months from SPV transfer. 400/220kV ICTs would be planned in matching time-frame of RE generation.
23	Lakadia PS	Gujarat	2500		2500	Mar-26 (exptd)	1652	0	1652	898		898	0	0	0				Mar-26 : Under Approval <b>NO FURTHER MARGINS EXIST AT 220kV LEVEL OF LAKADIA S/s</b>
24	Jam Khambhaliya-II / West of Bhanvad (Proposed)	Gujarat			0	2026-27	50	0	50	300		300			1650				Substation is under planning. Shall be fibalised based on potential to be declared by MNRE.
25	Raghnesda (GIS)	Gujarat	3000		3000	2026-27					600	600		2400	2400				Substation is under Approval (NCT)
26	Bhuj-II PS	Gujarat	2000		2000	0.5GW: May'26 & 1.5GW: Jun'26	1942		1942	0		0	0	0	0	0	0	0	Augmentation of 765/400kV & 400/220kV ICTs are required. <b>NO FURTHER MARGINS ARE NOW AVAILABLE.</b>
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. <b>NO FURTHER MARGINS ARE NOW AVAILABLE.</b>
	<b>Subtotal WR (Beyond Dec'25)</b>		<b>21000</b>	<b>0</b>	<b>21000</b>		<b>6758</b>	<b>3712</b>	<b>10470</b>	<b>1258</b>	<b>2000</b>	<b>3258</b>	<b>4500</b>	<b>2400</b>	<b>8550</b>	<b>6358</b>	<b>2400</b>	<b>8758</b>	
	<b>Total (WR)</b>		<b>63400</b>	<b>0</b>	<b>63400</b>	<b>0</b>	<b>20140</b>	<b>28523</b>	<b>48662</b>	<b>1954</b>	<b>2053</b>	<b>4007</b>	<b>6450</b>	<b>4089</b>	<b>11900</b>	<b>6858</b>	<b>2400</b>	<b>9258</b>	

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-25 (exptd)	0	1000	1000	0	0	0	0	0	0	1500	0	1500	Dec-25 : Under approval
	<b>Subtotal NER (Beyond Jun'25)</b>		<b>1000</b>	<b>0</b>	<b>1000</b>		<b>0</b>	<b>1000</b>	<b>1000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1500</b>	<b>0</b>	<b>1500</b>	



**List of Connectivity Margin in ISTS Substations available by Mar-30** (all fig. in MW, as on 31-03-2024)

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]	RE Potential - BESS [A-B]		220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	220kV	400kV	Total (MW)	
	<b>Total (All India)</b>		<b>228163</b>	<b>17500</b>	<b>210663</b>		<b>87424</b>	<b>60223</b>	<b>147647</b>	<b>12156</b>	<b>14085</b>	<b>26240</b>	<b>21808</b>	<b>23821</b>	<b>46990</b>	<b>32799</b>	<b>9600</b>	<b>42399</b>	
	<b>By Jun'25</b>		<b>89163</b>	<b>3000</b>	<b>86163</b>		<b>52177</b>	<b>30851</b>	<b>83028</b>	<b>2566</b>	<b>4772</b>	<b>7338</b>	<b>2905</b>	<b>2421</b>	<b>5037</b>	<b>600</b>	<b>0</b>	<b>600</b>	
	<b>By Dec'25</b>		<b>35000</b>	<b>5000</b>	<b>30000</b>		<b>14344</b>	<b>16910</b>	<b>31254</b>	<b>886</b>	<b>0</b>	<b>886</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>2000</b>	<b>0</b>	<b>2000</b>	
	<b>Beyond Dec'25</b>		<b>104000</b>	<b>9500</b>	<b>94500</b>		<b>20903</b>	<b>12462</b>	<b>33365</b>	<b>8704</b>	<b>9313</b>	<b>18017</b>	<b>18896</b>	<b>21400</b>	<b>41946</b>	<b>30199</b>	<b>9600</b>	<b>39799</b>	

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