

Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 30-04-2025)

Sl. No.	Status of RE Pooling Stations	Potential (MW)*	Connectivity granted/agreed (MW)	Connectivity under process (MW)	Available Connectivity Margins (MW)	Additional Margin for Connectivity requiring new Augmentation / Tr. System
Southern Region						
A	Existing RE Pooling Stations	12050	13062	450	152	0
B	By Jun'25	4500	4100	0	0	0
	Total By Jun'25	16550	17162	450	152	0
C	Jul'25 to Dec'25 (Commissioning)	13000	15926	1735	0	231
D	Beyond Dec'25 (Commissioning)	36500	31813	22174	9400	16000
	Sub-Total (SR)	66050	64901	24359	9552	16231
Western Region						
A	Existing RE Pooling Stations	16700	17042	0	0	0
C	By Jun'25	11500	12356	300	228	0
	Total By Jun'25	28200	29398	300	228	0
D	Jul'25 to Dec'25 (Commissioning)	11500	11214	0	200	0
E	Beyond Dec'25 (Commissioning)	27500	55558	22909	500	2050
	Subtotal (WR)	67200	96170	23209	928	2050
Northern Region						
A	Existing RE Pooling Stations	26880	29300	0	50	0
B	Jul'25 to Dec'25 (Commissioning)	10052	19686	250	0	0
C	Jan'26 to Jun'26 (Commissioning)	0	0	0	0	0
D	Beyond Jun26 (Commissioning)	105500	62539	7105	13050	13949
	Sub-Total (NR)	142432	111525	7355	13100	13949
North Eastern Region						
A	Beyond Dec'25 (Commissioning)	1000	750	0	250	1500
	Sub-Total (NER)	1000	750	0	250	1500
	Connectivity at Non-RE PS		9162	460		
	Total (All India)	276682	282507	55383	23830	33730
A	Existing RE Pooling Stations	55630	59403	450	202	0
B	By Jun'25	16000	16456	300	228	0
	Total By Jun'25	44750	46560	750	380	0
C	Jul'25 to Dec'25 (Commissioning)	34552	46826	1985	200	231
D	Beyond Dec'25 (Commissioning)	170500	150660	52188	23200	33499
	Addl. Margins available on ISTS (Non-RE PS)	-		-	36801	

Note:

- Although the above Pooling Stations for RE Connectivity are expected by Jun'25, the onward evacuation system from the pooling stations for some portion of power is likely to be delayed beyond Jun'25 due to various reasons such as GIB, land/corridor issues, ROW etc. However, a majority of this power may be evacuated within 3-6 months (beyond Jun'25). Till then, such power may be evacuated under short term with SPS arrangements.
- For achievement of 500GW Target, 230 GW RE is to be integrated in ISTS, however, application for 337.89 GW RE has already been granted Connectivity/under process.
- The margins indicated may vary depending on network topology, Load-Generation balance, etc. For any clarification/information, CTU may be contacted.

* Potential includes planned BESS capacity