

Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 31-08-2024)

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	12624	320	0	300
B	By Jun'25	4500	5040	0	0	0
	Total By Jun'25	16550	17664	320	0	300
C	Jul'25 to Dec'25 (Commissioning)	13000	15169	157	179	500
D	Beyond Dec'25 (Commissioning)	30500	17858	12102	9566	21492
	Sub-Total (SR)	60050	50691	12579	9745	22292
Western Region						
A	Existing RE Pooling Stations	16700	16042	53	1000	0
C	By Jun'25	11500	12494	0	340	0
	Total By Jun'25	28200	28536	53	1340	0
D	Jul'25 to Dec'25 (Commissioning)	11500	10894	220	300	0
E	Beyond Dec'25 (Commissioning)	26000	20948	15004	8170	7616
	Subtotal (WR)	65700	60378	15277	9810	7616
Northern Region						
A	Existing RE Pooling Stations	21880	25690	150	50	0
B	By Jun'25	18833	16914	675	50	0
	Total By Jun'25	40713	42604	825	100	0
C	Jul'25 to Dec'25 (Commissioning)	3267	5667	0	0	0
D	Beyond Dec'25 (Commissioning)	81500	40138	5880	13100	13584
	Sub-Total (NR)	125480	88409	6705	13200	13584
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		8362			
	Total (All India)	252230	208590	34561	33005	44992
A	Existing RE Pooling Stations	50630	54355	523	1050	300
B	By Jun'25	34833	34448	675	390	0
	Total By Jun'25	85463	88803	1198	1440	300
C	Jul'25 to Dec'25 (Commissioning)	27767	31730	377	479	500
D	Beyond Dec'25 (Commissioning)	139000	79695	32986	31086	44192
	Addl. Margins available on ISTS (Non-RE PS)	-		-	31056	

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 to be integrated in ISTS, out of which application for 239 GW RE already granted/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*