

Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 30-06-2024)

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	9550	10241	0	180	100
B	Jan'24 - Jun'24 (Commissioning)	2500	2383	0	0	0
C	Jul'24 - Jun'25 (Commissioning)	4500	5040	0	0	0
	By Jun'25	16550	17664	0	180	100
D	Jul'25 to Dec'25 (Commissioning)	15500	15087	259	418	500
E	Beyond Dec'25 (Commissioning)	29500	17373	7659	14077	21300
Sub-Total (SR)		61550	50124	7917	14675	21900
Western Region						
A	Existing RE Pooling Stations	8450	8778	53	0	0
B	Jan'24 - Jun'24 (Commissioning)	5500	3814	450	1000	0
C	Jul'24 - Jun'25 (Commissioning)	17950	15644	180	2020	0
	By Jun'25	31900	28236	683	3020	0
D	Jul'25 to Dec'25 (Commissioning)	10464	10414	0	0	0
E	Beyond Dec'25 (Commissioning)	25166	14423	6190	9295	11287
Subtotal (WR)		67530	53073	6872	12315	11287
Northern Region						
A	Existing RE Pooling Stations	21880	25640	50	50	150
B	Jul'24 - Jun'25 (Commissioning)	18833	14180	2850	725	0
	By Jun'25	40713	39820	2900	775	150
C	Jul'25 to Dec'25 (Commissioning)	3267	5667	0	0	0
D	Beyond Dec'25 (Commissioning)	75500	21376	24086	13100	8715
Sub-Total (NR)		124213	66863	26986	13875	8865
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			8062			
Total (All India)		254293	178871	41776	41115	43552
A	Existing RE Pooling Stations	39880	44659	103	230	250
B	Jan'24 - Jun'24 (Commissioning)	8000	6196	450	1000	0
C	Jul'24 - Jun'25 (Commissioning)	41283	34864	3030	2745	0
	By Jun'25	89163	85719	3583	3975	250
D	Jul'25 to Dec'25 (Commissioning)	34964	31168	259	418	500
E	Beyond Dec'25 (Commissioning)	130166	53923	37934	36722	42802
Addl. Margins available on ISTS (Non-RE PS)		-		-	31356	

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 221 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