

Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 31-03-2024)

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	10091	150	180	100
B	Jan'24 - Jun'24 (Commissioning)	2500	2385	0	0	0
C	Jul'24 - Jun'25 (Commissioning)	4500	5040	0	0	0
	By Jun'25	16550	17516	150	180	100
D	Jul'25 to Dec'25 (Commissioning)	15500	14637	386	7	500
E	Beyond Dec'25 (Commissioning)	29500	7264	1850	19796	26000
Sub-Total (SR)		61550	39418	2386	19983	26600
Western Region						
A	Existing RE Pooling Stations	8450	8582	249	0	0
B	Jan'24 - Jun'24 (Commissioning)	5500	3814	0	1450	500
C	Jul'24 - Jun'25 (Commissioning)	17950	15846	0	1900	0
	By Jun'25	31900	28242	249	3350	500
D	Jul'25 to Dec'25 (Commissioning)	10500	9950	500	0	0
E	Beyond Dec'25 (Commissioning)	21000	10470	3258	8550	8758
Subtotal (WR)		63400	48662	4007	11900	9258
Northern Region						
A	Existing RE Pooling Stations	21880	24340	1605	115	0
B	Jul'24 - Jun'25 (Commissioning)	18833	12930	5334	1392	0
	By Jun'25	40713	37270	6939	1507	0
C	Jul'25 to Dec'25 (Commissioning)	3267	5667	0	0	0
D	Beyond Dec'25 (Commissioning)	53500	15630	12909	13600	5041
Sub-Total (NR)		102213	58567	19848	15107	5041
North Eastern Region						
A	Jul'25 to Dec'25 (Commissioning)	1000	1000	0	0	1500
Sub-Total (NER)		1000	1000	0	0	1500
Total (All India)		228163	147647	26240	46990	42399
A	Existing RE Pooling Stations	39880	43013	2004	295	100
B	Jan'24 - Jun'24 (Commissioning)	8000	6199	0	1450	500
C	Jul'24 - Jun'25 (Commissioning)	41283	33816	5334	3292	0
	By Jun'25	89163	83028	7338	5037	600
D	Jul'25 to Dec'25 (Commissioning)	35000	31254	886	7	2000
E	Beyond Dec'25 (Commissioning)	104000	33365	18017	41946	39799
Addl. Margins available on ISTS (Non-RE PS)		-	7981	-	32066	

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, balance transmission system for 98.5* GW (WR: 11 GW, SR: 49.5 GW, NR: 38 GW) has also been planned and is being taken-up in phases for commissioning by 2029.
- 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*