

Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 31-07-2024)

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	15169	157	179	500
E	Beyond Dec'25 (Commissioning)	29500	20454	7944	10270	20120
Sub-Total (SR)		61550	53287	8101	10629	20720
Western Region						
A	Existing RE Pooling Stations	8450	8778	53	0	0
B	Jan'24 - Jun'24 (Commissioning)	5500	4264	0	1000	0
C	Jul'24 - Jun'25 (Commissioning)	17950	15824	370	640	0
	By Jun'25	31900	28866	423	1640	0
D	Jul'25 to Dec'25 (Commissioning)	10464	10414	0	0	0
E	Beyond Dec'25 (Commissioning)	26666	17601	13949	5835	7650
Subtotal (WR)		69030	56881	14372	7475	7650
Northern Region						
A	Existing RE Pooling Stations	21880	25640	200	50	0
B	Jul'24 - Jun'25 (Commissioning)	18833	14180	2734	725	0
	By Jun'25	40713	39820	2934	775	0
C	Jul'25 to Dec'25 (Commissioning)	3267	5667	0	0	0
D	Beyond Dec'25 (Commissioning)	75500	20576	26002	13100	10524
Sub-Total (NR)		124213	66063	28936	13875	10524
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)		255793	185343	51409	32229	40394
A	Existing RE Pooling Stations	39880	44659	253	230	100
B	Jan'24 - Jun'24 (Commissioning)	8000	6646	0	1000	0
C	Jul'24 - Jun'25 (Commissioning)	41283	35044	3104	1365	0
	By Jun'25	89163	86349	3357	2595	100
D	Jul'25 to Dec'25 (Commissioning)	34964	31250	157	179	500
E	Beyond Dec'25 (Commissioning)	131666	59382	47895	29455	39794
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, however, more applications of about 237 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