

Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 31-12-2024)

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	12944	400	360	300
B	By Jun'25	4500	4100	0	0	0
	Total By Jun'25	16550	17044	400	360	300
C	Jul'25 to Dec'25 (Commissioning)	13000	15676	1040	331	0
D	Beyond Dec'25 (Commissioning)	36500	35068	10477	7805	13000
	Sub-Total (SR)	66050	67788	11917	8496	13300
Western Region						
A	Existing RE Pooling Stations	16700	17042	0	0	0
C	By Jun'25	11500	12705	78	0	0
	Total By Jun'25	28200	29747	78	0	0
D	Jul'25 to Dec'25 (Commissioning)	11500	11414	0	0	0
E	Beyond Dec'25 (Commissioning)	27500	40636	20839	4923	6940
	Subtotal (WR)	67200	81797	20918	4923	6940
Northern Region						
A	Existing RE Pooling Stations	21880	27340	50	0	0
B	By Jun'25	18833	17579	0	0	0
	Total By Jun'25	40713	44919	50	0	0
C	Jul'25 to Dec'25 (Commissioning)	3267	5667	0	0	0
D	Beyond Dec'25 (Commissioning)	81500	49387	5649	13220	5653
	Sub-Total (NR)	125480	99973	5699	13220	5653
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)	259730	258369	38533	26889	27393
A	Existing RE Pooling Stations	50630	57325	450	360	300
B	By Jun'25	34833	34384	78	0	0
	Total By Jun'25	85463	91709	528	360	300
C	Jul'25 to Dec'25 (Commissioning)	27767	32757	1040	331	0
D	Beyond Dec'25 (Commissioning)	146500	125841	36965	26198	27093
	Addl. Margins available on ISTS (Non-RE PS)	-		-	30001	

Note:

1. 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.
2. For achievement of 500GW Target, 230 GW RE to be integrated in ISTS, out of which application for 297 GW RE already granted/under process.
3. 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*