

Summary of Connectivity Margin in ISTS Substations available by Dec'25

(all fig. in MW, as on 30-09-2023)

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	7050	6820	100	205	400
B	Jul'23 - Dec'23 (Commissioning)	6000	5558	198	382	0
C	Jan'24 - Jun'24 (Commissioning)	0	0	0	0	0
D	Jul'24 - Jun'25 (Commissioning)	10500	1050	270	4680	4500
	By Jun'25	23550	13428	568	5267	4900
E	Jul'25 to Dec'25 (Commissioning)	37500	9286	892	23322	27500
	Sub-Total (SR)	61050	22714	1460	28589	32400
Western Region						
A	Existing RE Pooling Stations	8450	5984	2928	109	2074
B	Jul'23 - Dec'23 (Commissioning)	2500	2315	0	0	0
C	Jan'24 - Jun'24 (Commissioning)	8250	5675	601	1968	500
D	Jul'24 - Jun'25 (Commissioning)	12700	10800	50	1850	0
	By Jun'25	31900	24774	3579	3927	2574
E	Jul'25 to Dec'25 (Commissioning)	23000	11960	700	10340	6500
	Subtotal (WR)	54900	36734	4279	14267	9074
Northern Region						
A	Existing RE Pooling Stations	17980	19910	50	1450	0
B	Jul'23 - Dec'23 (Commissioning)	8900	6765	0	675	0
C	Jan'24 - Jun'24 (Commissioning)	0	0	0	0	0
D	Jul'24 - Jun'25 (Commissioning)	17500	12562	560	5090	0
	By Jun'25	44380	39237	610	7215	0
E	Jul'25 to Dec'25 (Commissioning)	21500	8047	1300	133	3500
	Sub-Total (NR)	65880	47284	1910	7348	3500
F	Beyond Dec'25 (Commissioning)	6000	0	1750	3250	0
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)	182830	107733	7649	50204	46474
A	Existing RE Pooling Stations	33480	32714	3078	1764	2474
B	Jul'23 - Dec'23 (Commissioning)	17400	14638	198	1057	0
C	Jan'24 - Jun'24 (Commissioning)	8250	5675	601	1968	500
D	Jul'24 - Jun'25 (Commissioning)	40700	24412	880	11620	4500
	By Jun'25	99830	77439	4757	16409	7474
E	Jul'25 to Dec'25 (Commissioning)	83000	30293	2892	33795	39000
F	Beyond Dec'25 (Commissioning)	6000	0	1750	3250	0
	Addl. Margins available on ISTS (Existing)	-	-	-	33511	

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.
- Further, transmission system for evacuation of 13GW* renewable generations in Ladakh is already taken up for implementation. However, connectivity applications in Ladakh are awaited. For achievement of 500GW Target, balance transmission system for 115.3* GW (WR: 11 GW, SR: 57 GW, NR: 47.3 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