

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

(all fig. in MW, as on 31-08-2023)

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
<b>Southern Region</b>						
A	Existing RE Pooling Stations	7050	6820	0	205	500
B	Jul'23 - Dec'23 (Commissioning)	6000	5558	0	580	0
C	Jan'24 - Jun'24 (Commissioning)	0	0	0	0	0
D	Jul'24 - Jun'25 (Commissioning)	10500	150	0	5850	4500
	By Jun'25	23550	12528	0	6635	5000
E	Jul'25 to Dec'25 (Commissioning)	37500	6276	2510	24714	26500
	<b>Sub-Total (SR)</b>	61050	18804	2510	31349	31500
<b>Western Region</b>						
A	Existing RE Pooling Stations	8450	5984	1160	1165	2441
B	Jul'23 - Dec'23 (Commissioning)	2500	2315	0	0	0
C	Jan'24 - Jun'24 (Commissioning)	8250	5675	401	2168	500
D	Jul'24 - Jun'25 (Commissioning)	12700	10800	50	1850	0
	By Jun'25	31900	24774	1611	5183	2941
E	Jul'25 to Dec'25 (Commissioning)	23000	11960	260	10780	6500
	<b>Subtotal (WR)</b>	54900	36734	1871	15963	9441
<b>Northern Region</b>						
A	Existing RE Pooling Stations	17980	19460	450	1500	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	12962	310	4940	0
	By Jun'25	44380	39187	760	7115	0
E	Jul'25 to Dec'25 (Commissioning)	21500	8047	1800	633	7500
	<b>Sub-Total (NR)</b>	65880	47234	2560	7748	7500
<b>North Eastern Region</b>						
A	Jul'25 to Dec'25 (Commissioning)	1000	1000	0	0	1500
	<b>Sub-Total (NER)</b>	1000	1000	0	0	1500
	<b>Total (All India)</b>	182830	103773	6941	55059	49941
A	Existing RE Pooling Stations	33480	32264	1610	2870	2941
B	Jul'23 - Dec'23 (Commissioning)	17400	14638	0	1255	0
C	Jan'24 - Jun'24 (Commissioning)	8250	5675	401	2168	500
D	Jul'24 - Jun'25 (Commissioning)	40700	23912	360	12640	4500
	By Jun'25	99830	76489	2371	18933	7941
E	Jul'25 to Dec'25 (Commissioning)	83000	27283	4570	36127	42000
	<b>Addl. Margins available on ISTS (Existing)</b>	-	-	-	33390	

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. 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.

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