

Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 31-12-2023)

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	10550	10591	450	87	100
B	Jan'24 - Jun'24 (Commissioning)	2500	2385	0	0	0
C	Jul'24 - Jun'25 (Commissioning)	4500	3390	0	1010	0
	By Jun'25	17550	16366	450	1097	100
D	Jul'25 to Dec'25 (Commissioning)	14500	10740	1914	2021	475
E	Beyond Dec'25 (Commissioning)	30500	3877	525	22048	27000
Sub-Total (SR)		62550	30983	2889	25166	27575
Western Region						
A	Existing RE Pooling Stations	8200	8332	580	71	0
B	Jan'24 - Jun'24 (Commissioning)	7750	5769	394	1450	500
C	Jul'24 - Jun'25 (Commissioning)	15700	13800	0	1900	0
	By Jun'25	31650	27900	973	3421	500
D	Jul'25 to Dec'25 (Commissioning)	17000	12296	690	1550	936
E	Beyond Dec'25 (Commissioning)	9500	2573	533	9508	6500
Subtotal (WR)		58150	42769	2197	14479	7936
Northern Region						
A	Existing RE Pooling Stations	19880	21890	1150	350	0
B	Jan'24 - Jun'24 (Commissioning)	2000	2000	0	0	0
C	Jul'24 - Jun'25 (Commissioning)	13833	12840	900	2065	1100
	By Jun'25	35713	36730	2050	2415	1100
D	Jul'25 to Dec'25 (Commissioning)	2417	4584	800	0	0
E	Beyond Dec'25 (Commissioning)	39500	9030	14683	13000	2000
Sub-Total (NR)		80213	50344	17533	15415	3100
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)		201913	125096	22619	55060	40111
A	Existing RE Pooling Stations	38630	40813	2180	508	100
B	Jan'24 - Jun'24 (Commissioning)	12250	10154	394	1450	500
C	Jul'24 - Jun'25 (Commissioning)	34033	30030	900	4975	1100
	By Jun'25	82913	80996	3473	6933	1700
D	Jul'25 to Dec'25 (Commissioning)	39500	28620	3404	3571	2911
E	Beyond Dec'25 (Commissioning)	79500	15480	15742	44556	35500
Addl. Margins available on ISTS (Existing)		-	-	-	32694	

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, balance transmission system for 104.5* GW (WR: 11 GW, SR: 49.5 GW, NR: 44 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