

Summary of Connectivity Margin in ISTS Substations (all fig. in MW, as on 31-03-2024)

(Status of margins at Kurnool-III PS updated as on 22-04-2024 upon revocation of connectivity)

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	10091	150	180	100
B	Jan'24 - Jun'24 (Commissioning)	2500	2385	0	0	0
C	Jul'24 - Jun'25 (Commissioning)	4500	4240	0	800	0
	By Jun'25	16550	16716	150	980	100
D	Jul'25 to Dec'25 (Commissioning)	15500	14637	386	7	500
E	Beyond Dec'25 (Commissioning)	29500	4564	1850	22496	26000
	Sub-Total (SR)	61550	35918	2386	23483	26600
Western Region						
A	Existing RE Pooling Stations	8450	8582	249	0	0
B	Jan'24 - Jun'24 (Commissioning)	5500	3814	0	1450	500
C	Jul'24 - Jun'25 (Commissioning)	17950	15846	0	1900	0
	By Jun'25	31900	28242	249	3350	500
D	Jul'25 to Dec'25 (Commissioning)	10500	9950	500	0	0
E	Beyond Dec'25 (Commissioning)	21000	10470	3258	8550	8758
	Subtotal (WR)	63400	48662	4007	11900	9258
Northern Region						
A	Existing RE Pooling Stations	21880	24340	1605	115	0
B	Jul'24 - Jun'25 (Commissioning)	18833	12930	5334	1392	0
	By Jun'25	40713	37270	6939	1507	0
C	Jul'25 to Dec'25 (Commissioning)	3267	5667	0	0	0
D	Beyond Dec'25 (Commissioning)	53500	15630	12909	13600	5041
	Sub-Total (NR)	102213	58567	19848	15107	5041
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)	228163	144147	26240	50490	42399
A	Existing RE Pooling Stations	39880	43013	2004	295	100
B	Jan'24 - Jun'24 (Commissioning)	8000	6199	0	1450	500
C	Jul'24 - Jun'25 (Commissioning)	41283	33016	5334	4092	0
	By Jun'25	89163	82228	7338	5837	600
D	Jul'25 to Dec'25 (Commissioning)	35000	31254	886	7	2000
E	Beyond Dec'25 (Commissioning)	104000	30665	18017	44646	39799
	Addl. Margins available on ISTS (Non-RE PS)	-	7981	-	32066	

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 98.5* GW (WR: 11 GW, SR: 49.5 GW, NR: 38 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*