

Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 30-11-2024)

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	12814	130	0	300
B	By Jun'25	4500	5040	0	0	0
	Total By Jun'25	16550	17854	130	0	300
C	Jul'25 to Dec'25 (Commissioning)	13000	15676	490	381	0
D	Beyond Dec'25 (Commissioning)	30500	23488	20556	7346	14000
	Sub-Total (SR)	60050	57018	21176	7727	14300
Western Region						
A	Existing RE Pooling Stations	16700	17042	0	0	0
C	By Jun'25	11500	12505	278	51	0
	Total By Jun'25	28200	29547	278	51	0
D	Jul'25 to Dec'25 (Commissioning)	11500	11414	0	0	0
E	Beyond Dec'25 (Commissioning)	26000	30113	17328	5478	6250
	Subtotal (WR)	65700	71073	17606	5530	6250
Northern Region						
A	Existing RE Pooling Stations	21880	25840	1550	0	0
B	By Jun'25	18833	17579	0	0	0
	Total By Jun'25	40713	43419	1550	0	0
C	Jul'25 to Dec'25 (Commissioning)	3267	5667	0	0	0
D	Beyond Dec'25 (Commissioning)	81500	44314	10007	13334	6942
	Sub-Total (NR)	125480	93400	11557	13334	6942
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)	252230	230303	50339	26840	28992
A	Existing RE Pooling Stations	50630	55695	1680	0	300
B	By Jun'25	34833	35124	278	51	0
	Total By Jun'25	85463	90819	1958	51	300
C	Jul'25 to Dec'25 (Commissioning)	27767	32757	490	381	0
D	Beyond Dec'25 (Commissioning)	139000	98665	47891	26408	28692
	Addl. Margins available on ISTS (Non-RE PS)	-		-	31056	

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 279 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*