

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

(all fig. in MW, as on 31-07-2023)

Sl. No.	Status of RE Pooling Stations	Potential (MW)	Connectivity granted/agreed (MW)	Connectivity under process (MW)	Available Connectivity Margins (MW)
Southern Region					
A	Existing RE Pooling Stations	7050	6770	100	655
B	Jul'23 - Dec'23 (Commissioning)	6000	5608	0	580
C	Jan'24 - Jun'24 (Commissioning)	0	0	0	0
D	Jul'24 - Jun'25 (Commissioning)	19000	0	1045	17955
	By Jun'25	32050	12378	1145	19190
E	Jul'25 to Dec'25 (Commissioning)	29000	1315	4296	21289
	Sub-Total (SR)	61050	13693	5441	40479
Western Region					
A	Existing RE Pooling Stations	8450	5231	753	2466
B	Jul'23 - Dec'23 (Commissioning)	2500	2000	398	0
C	Jan'24 - Jun'24 (Commissioning)	8250	4746	587	2869
D	Jul'24 - Jun'25 (Commissioning)	12700	10777	73	1850
	By Jun'25	31900	22754	1811	7185
E	Jul'25 to Dec'25 (Commissioning)	23000	5965	6295	10740
	Subtotal (WR)	54900	28719	8106	17925
Northern Region					
A	Existing RE Pooling Stations	17980	19460	0	1950
B	Jul'23 - Dec'23 (Commissioning)	4850	6765	217	458
C	Jan'24 - Jun'24 (Commissioning)	0	0	0	0
D	Jul'24 - Jun'25 (Commissioning)	17500	9817	2140	6005
	By Jun'25	40330	36042	2357	8413
E	Jul'25 to Dec'25 (Commissioning)	13000	930	8495	3600
	Sub-Total (NR)	53330	36972	10852	12013
North Eastern Region					
A	Jul'25 to Dec'25 (Commissioning)	1000	1000	0	0
	Sub-Total (NER)	1000	1000	0	0
	Total (All India)	170280	80384	24399	70417
A	Existing RE Pooling Stations	33480	31461	853	5071
B	Jul'23 - Dec'23 (Commissioning)	13350	14373	615	1038
C	Jan'24 - Jun'24 (Commissioning)	8250	4746	587	2869
D	Jul'24 - Jun'25 (Commissioning)	49200	20594	3258	25810
	By Jun'25	104280	71174	5313	34788
E	Jul'25 to Dec'25 (Commissioning)	66000	9210	19086	35629
	Addl. Margins available on ISTS (Existing)	-	-	-	33497

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.

** Potential includes planned BESS capacity*