

## Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 30-11-2023)

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	7120	100	205	100
B	Jul'23 - Dec'23 (Commissioning)	6000	5756	0	382	0
C	Jan'24 - Jun'24 (Commissioning)	0	0	0	0	0
D	Jul'24 - Jun'25 (Commissioning)	10500	2320	270	8285	4500
	By Jun'25	23550	15196	370	8872	4600
E	Jul'25 to Dec'25 (Commissioning)	37500	10728	1389	22209	24500
<b>Sub-Total (SR)</b>		<b>61050</b>	<b>25924</b>	<b>1759</b>	<b>31081</b>	<b>29100</b>
<b>Western Region</b>						
A	Existing RE Pooling Stations	8450	9450	1075	204	976
B	Jul'23 - Dec'23 (Commissioning)	2500	2315	0	0	0
C	Jan'24 - Jun'24 (Commissioning)	5250	3726	100	1418	500
D	Jul'24 - Jun'25 (Commissioning)	15700	13800	0	1900	0
	By Jun'25	31900	29291	1175	3522	1476
E	Jul'25 to Dec'25 (Commissioning)	23000	12324	277	10701	6500
<b>Subtotal (WR)</b>		<b>54900</b>	<b>41615</b>	<b>1451</b>	<b>14223</b>	<b>7976</b>
<b>Northern Region</b>						
A	Existing RE Pooling Stations	17980	19910	850	650	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)	18600	12772	3585	1690	1100
	By Jun'25	45480	39447	4435	3015	1100
E	Jul'25 to Dec'25 (Commissioning)	4000	3817	0	200	0
F	Beyond Dec'25 (Commissioning)	15000	7080	6300	0	1600
<b>Sub-Total (NR)</b>		<b>72980</b>	<b>50344</b>	<b>10735</b>	<b>3215</b>	<b>2700</b>
<b>North Eastern Region</b>						
A	Jul'25 to Dec'25 (Commissioning)	1000	1000	0	0	1500
<b>Sub-Total (NER)</b>		<b>1000</b>	<b>1000</b>	<b>0</b>	<b>0</b>	<b>1500</b>
<b>Total (All India)</b>		<b>189930</b>	<b>118884</b>	<b>13945</b>	<b>48519</b>	<b>41276</b>
A	Existing RE Pooling Stations	33480	36480	2025	1059	1076
B	Jul'23 - Dec'23 (Commissioning)	17400	14836	0	1057	0
C	Jan'24 - Jun'24 (Commissioning)	5250	3726	100	1418	500
D	Jul'24 - Jun'25 (Commissioning)	44800	28892	3855	11875	5600
	By Jun'25	100930	83934	5980	15409	7176
E	Jul'25 to Dec'25 (Commissioning)	89000	34949	7966	33110	34100
F	Beyond Dec'25 (Commissioning)	15000	7080	6300	0	1600
<b>Addl. Margins available on ISTS (Existing)</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>32657</b>	<b>-</b>

**Note:**

- 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.
- 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 108\* GW (WR: 11 GW, SR: 53 GW, NR: 44 GW) has also been planned and is being taken-up in phases for commissioning by 2029.
- 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*