

## Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 31-01-2024)

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
<b>Southern Region</b>						
A	Existing RE Pooling Stations	10550	10891	0	237	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	16666	0	1247	100
D	Jul'25 to Dec'25 (Commissioning)	14500	12654	1886	1647	0
E	Beyond Dec'25 (Commissioning)	30500	4402	1650	22348	27000
<b>Sub-Total (SR)</b>		<b>62550</b>	<b>33722</b>	<b>3536</b>	<b>25242</b>	<b>27100</b>
<b>Western Region</b>						
A	Existing RE Pooling Stations	8450	8582	178	71	0
B	Jan'24 - Jun'24 (Commissioning)	7750	5860	0	1450	500
C	Jul'24 - Jun'25 (Commissioning)	15700	13800	0	1900	0
	By Jun'25	31900	28242	178	3421	500
D	Jul'25 to Dec'25 (Commissioning)	17000	12986	561	1926	0
E	Beyond Dec'25 (Commissioning)	9500	2806	1040	8810	6458
<b>Subtotal (WR)</b>		<b>58400</b>	<b>44034</b>	<b>1779</b>	<b>14157</b>	<b>6958</b>
<b>Northern Region</b>						
A	Existing RE Pooling Stations	19880	22690	1170	200	0
B	Jan'24 - Jun'24 (Commissioning)	2000	2000	0	0	0
C	Jul'24 - Jun'25 (Commissioning)	18833	12840	450	2515	1100
	By Jun'25	40713	37530	1620	2715	1100
D	Jul'25 to Dec'25 (Commissioning)	3267	6434	0	0	0
E	Beyond Dec'25 (Commissioning)	43500	15630	9043	13600	2000
<b>Sub-Total (NR)</b>		<b>92980</b>	<b>59594</b>	<b>10663</b>	<b>16315</b>	<b>3100</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>214930</b>	<b>138350</b>	<b>15978</b>	<b>55713</b>	<b>38658</b>
A	Existing RE Pooling Stations	38880	42163	1348	508	100
B	Jan'24 - Jun'24 (Commissioning)	12250	10245	0	1450	500
C	Jul'24 - Jun'25 (Commissioning)	39033	30030	450	5425	1100
	By Jun'25	90163	82438	1798	7383	1700
D	Jul'25 to Dec'25 (Commissioning)	41267	33074	2447	3573	1500
E	Beyond Dec'25 (Commissioning)	83500	22838	11733	44758	35458
<b>Addl. Margins available on ISTS (Non-RE PS)</b>		<b>-</b>	<b>10583</b>	<b>-</b>	<b>32334</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.
- 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.
- 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