

Summary of Connectivity Margin in ISTS Substations

(all fig. in MW, as on 30-04-2024)

| 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 | 9550 | 10241 | 0 | 180 | 100 |
| B | Jan'24 - Jun'24 (Commissioning) | 2500 | 2385 | 0 | 0 | 0 |
| C | Jul'24 - Jun'25 (Commissioning) | 4500 | 4240 | 800 | 0 | 0 |
| | By Jun'25 | 16550 | 16866 | 800 | 180 | 100 |
| D | Jul'25 to Dec'25 (Commissioning) | 15500 | 14730 | 1335 | 362 | 0 |
| E | Beyond Dec'25 (Commissioning) | 29500 | 6704 | 5458 | 16748 | 26000 |
| Sub-Total (SR) | | 61550 | 38301 | 7593 | 17290 | 26100 |
| Western Region | | | | | | |
| A | Existing RE Pooling Stations | 8450 | 8778 | 53 | 0 | 0 |
| B | Jan'24 - Jun'24 (Commissioning) | 5500 | 3814 | 450 | 1000 | 0 |
| C | Jul'24 - Jun'25 (Commissioning) | 17950 | 15846 | 0 | 1900 | 0 |
| | By Jun'25 | 31900 | 28438 | 503 | 2900 | 0 |
| D | Jul'25 to Dec'25 (Commissioning) | 10500 | 10450 | 0 | 0 | 0 |
| E | Beyond Dec'25 (Commissioning) | 25130 | 12278 | 5071 | 10609 | 10258 |
| Subtotal (WR) | | 67530 | 51166 | 5574 | 13509 | 10258 |
| Northern Region | | | | | | |
| A | Existing RE Pooling Stations | 21880 | 24340 | 1605 | 115 | 0 |
| B | Jul'24 - Jun'25 (Commissioning) | 18833 | 12930 | 7494 | 1392 | 0 |
| | By Jun'25 | 40713 | 37270 | 9099 | 1507 | 0 |
| C | Jul'25 to Dec'25 (Commissioning) | 3267 | 5667 | 0 | 0 | 0 |
| D | Beyond Dec'25 (Commissioning) | 55500 | 15630 | 15109 | 15600 | 1314 |
| Sub-Total (NR) | | 104213 | 58567 | 24208 | 17107 | 1314 |
| North Eastern Region | | | | | | |
| A | Beyond Dec'25 (Commissioning) | 1000 | 750 | 0 | 250 | 1500 |
| Sub-Total (NER) | | 1000 | 750 | 0 | 250 | 1500 |
| Total (All India) | | 234293 | 148784 | 37375 | 48156 | 39172 |
| A | Existing RE Pooling Stations | 39880 | 43359 | 1658 | 295 | 100 |
| B | Jan'24 - Jun'24 (Commissioning) | 8000 | 6199 | 450 | 1000 | 0 |
| C | Jul'24 - Jun'25 (Commissioning) | 41283 | 33016 | 8294 | 3292 | 0 |
| | By Jun'25 | 89163 | 82574 | 10402 | 4587 | 100 |
| D | Jul'25 to Dec'25 (Commissioning) | 35000 | 30847 | 1335 | 362 | 0 |
| E | Beyond Dec'25 (Commissioning) | 110130 | 35363 | 25638 | 43207 | 39072 |
| Addl. Margins available on ISTS (Non-RE PS) | | - | 7981 | - | 31436 | |

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 97.5* GW (WR: 11 GW, SR: 49.5 GW, NR: 37 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*