

Status of ISTS- RTM Projects -SR

As on 30.09.2026

S.No.	Name of the Transmission Project & Scope	Element Type	Voltage Level (kV)/ Voltage Ratio (for transformer)	MVA	SCOD	Anticipated completion	Name of TSP	Region
1	Transmission scheme for evacuation of power from RE sources in Kurnool Wind Energy Zone (3000 MW)/Solar Energy Zone (AP) (1500MW) - Part-A and Part-B				Progressively from Nov'24 to Oct'27	Oct-27	POWERGRID	SR
	Kurnool –III PS – Kurnool(new) 765 kV D/c line.	TL	765		Nov-24	Completed	POWERGRID	SR
	Kurnool –III PS – Maheshwaram (PG) 765 kV D/c Line	TL	765		Nov-24	Completed	POWERGRID	SR
	Establishment of 765/400/220kV 3x1500 MVA, 8x500 MVA (incl 1 no. spare) ICT at Kurnool-III PS with 1x330MVAR (765kV) & 1x125MVAR(400kV) Bus Reactors.	SN	765/400	8000	Nov-24	Completed	POWERGRID	SR
	2x500 MVA, 400/220kV ICT at Kurnool-III PS	SN	765/400	1000	Oct-27	Oct-27	POWERGRID	SR
2	Augmentation of transformation capacity by 2x500MVA (7th & 8th), 400/220kV ICTs at Tumkur (Pavagada) 400/220kV Pooling Station				Progressively from Aug'25 to May'26	Nov'26	POWERGRID	SR
	1x500MVA (7th), 400/220kV ICTs at Tumkur (Pavagada)	SA	400/220	500	Aug-25	Completed	POWERGRID	SR
	1x500MVA (8th), 400/220kV ICTs at Tumkur (Pavagada)	SA	400/220	500	May-26	Nov-26	POWERGRID	SR
3	Augmentation of transformation capacity by 2x500 MVA (9th & 10th), 400/220 kV ICTs at Tumkur (Pavagada) 400/220 kV Pooling Station in Karnataka and Implementation of 1 Nos. of 220 kV line bay at Tumkur (Pavagada) 400/220 kV PS for providing Connectivity to RE generation project				May-26	Feb-27	POWERGRID	SR
	Augmentation of Transformation Capacity by 2x500MVA (9th & 10th), 400/220kV ICTs at Tumkur (Pavagada) 400/220 kV Pooling Station in Karnataka		400/220	1000	May-26	Feb-27	POWERGRID	SR
	Implementation of 01 No. 220KV line Bay at Tumkur (Pavagada) 400/220KV PS for providing connectivity to RE Generation Project (M/s TEQ Green Power XVIII Pvt. Ltd.)				May-26	Feb-27	POWERGRID	SR
4	Augmentation of Transformation Capacity at 400/220KV NP Kunta PS in Andhra Pradesh by 1x500MVA, 400/220KV Ict (5th) and Implementation of common facility works for providing connectivity to RE generation Projects.				Progressively from Mar'25 to Sept'25	Oct-26	POWERGRID	SR
	PART A: 400/220KV ICT (1X500MVA)	SA	400/220	500	Sep-25	Oct-26	POWERGRID	SR
	PART B: Implementation of common facility works at NP Kunta for providing connectivity to RE generation Projects.220KV Bus Works for 06 nos. of Bays-1 set	BE			Mar-25	Oct-26	POWERGRID	SR
5	Implementation of 1 no. of 230kV line bay at Pugalur (Existing) 400/230kV S/s for integration of RE generation project (M/s Tata Power Renewable Energy Ltd.)				Mar-26	Mar-27	POWERGRID	SR
	1 no. of 230kV line bay at Pugalur (Existing) 400/230kV S/s	BE	230		Mar-26	Mar-27	POWERGRID	SR
6	Augmentation of Transformation Capacity at 400/220KV Yelahanka (GIS) S/s in Karnataka by 400/220KV, 1x500MVA ICT (3rd)				Jul-26	Jun-27	POWERGRID	SR
	Augmentation of Transformation Capacity at 400/220KV Yelahanka (GIS) S/s in Karnataka by 400/220KV, 1x500MVA ICT (3rd)	SA	400/220	500	Jul-26	Jun-27	POWERGRID	SR
7	Reconductoring of maheswaram (PG)-hyderabad 400KV S/C line with HTLS conductor				Jun-26	Jun-27	POWERGRID	SR
	Reconductoring of Maheswaram (PG)-Hyderabad 400KV S/C line with HTLS conductor along with upgradation of 400KV bay equipment at maheswaram (PG) GIS & Hyderabad AIS	REC			Jun-26	Jun-27	POWERGRID	SR

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8	Transmission System for Offshore wind farm in Tamil Nadu {500 MW VGF}				Mar-30	Mar-30	POWERGRID	SR
	Establishment of 2x500 MVA, 400/230 kV Onshore Pooling Station near Avaraikulam, Tirunelveli District in TamilNadu with provision of expansion upto 5GW	SN	400/230Kv	1000	Mar-30	Mar-30	POWERGRID	SR
	Avaraikulam Onshore PS – Tuticorin PS 400 kV D/c quad line	TL			Mar-30	Mar-30	POWERGRID	SR
	300 MVAr STATCOM along with 2x125 MVAr MSR	SA			Mar-30	Mar-30	POWERGRID	SR
	Establishment of 2x315 MVA, 230/66kV Off-Shore Substation-1 with 10 nos. Of 66kV line bays for RE integration	SN	230/66Kv	630	Mar-30	Mar-30	POWERGRID	SR
	Offshore substation 1 (OSS-1) –Avaraikulam Onshore PS 2 nos. 230kV (atleast 300 MVA capacity) Submarine cables (~35 - 40 km) with 2x50MVA switchable line reactors at OSS-1 end	TL			Mar-30	Mar-30	POWERGRID	SR
9	Augmentation of 1x500 MVA, 400/230 kV ICT (7th) at Tuticorin-II GIS Sub Station				Feb-28	Feb-28	POWERGRID	SR
	Augmentation of 1x500MVA, 400/230 KV ICT (7th) at Tuticorin-II GIS	SA	400/230	500	Feb-28	Feb-28	POWERGRID	SR
	01 No. of 230 KV Line Bay for termination of Dedicated Transmission Line of M/s NCL Industries Ltd.	BE			Feb-28	Feb-28	POWERGRID	SR
10	Augmentation of transformation capacity at 400/220kV Bidadi (GIS) S/s in Karnataka by 1x500 MVA, 400/220kV ICT (3rd)				Jul-26	Jun-27	POWERGRID	SR
	500MVA, 400/220kV ICT – 1no.	SA	400/220	500	Jul-26	Jun-27	POWERGRID	SR
11	Reconductoring of Somanahalli – Bidadi 400kV kV D/c line with HTLS conductor				Jun-26	Jun-27	POWERGRID	SR
	Reconductoring of Somanahalli – Bidadi 400kV kV D/c line with HTLS conductor (2100 MVA/ckt)	REC	400		Jun-26	Jun-27	POWERGRID	SR
	Upgradation of 400kV bay equipment at Somanahalli end	BE			Jun-26	Jun-27	POWERGRID	SR
	Upgradation of 400kV bay equipment at Bidadi (GIS) end	BE			Jun-26	Jun-27	POWERGRID	SR
12	Augmentation of Transformation capacity at 400/220kV Nagarjunasagar S/s in Andhra Pradesh by 1x500MVA ,400/220kV ICT (4th)				May-27	May-27	POWERGRID	SR
	• 500 MVA, 400/220 kV ICT – 1 No.	SA	400/220	500	May-27	May-27	POWERGRID	SR
13	Conversion of 80 MVA fixed line reactor at Nellore end on Vijayawada – Nellore 400kV D/c line (Line-2) to switchable line reactor along with NGR and its bypassing scheme				Nov-26	Feb-27	POWERGRID	SR
	Conversion of 80 MVA fixed line reactor at Nellore end on Vijayawada –Nellore 400kV D/c line (Line-2) to switchable line reactor along with NGR and its bypassing scheme.				Nov-26	Feb-27	POWERGRID	SR
14	Implementation of 2 nos. of 220kV line bays at Tumkur (Pavagada) PS for providing Connectivity to various RE generation projects				Progressively from Nov'26 to Dec'26	Mar-27	POWERGRID	SR
	1 no. of 220kV line bay at Tumkur (Pavagada) PS for termination of dedicated transmission line of M/s Ayana Renewable Power Pvt. Ltd.	BE			Nov-26	Mar-27	POWERGRID	SR
	1 no. of 220kV line bay at Tumkur (Pavagada) PS for termination of dedicated transmission line of M/s ACME Solar Holdings Ltd.	BE			Dec-26	Mar-27	POWERGRID	SR

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15	Augmentation of transformation capacity at 400/220kV Kozhikode S/s in Kerala by 500 MVA 400/220kV ICT (4th)				Feb-27	Jun-27	POWERGRID	SR
	1x500 MVA, 400/220kV ICT (4th) AT Kozhikode S/s	SA	400/220	500	Feb-27	Jun-27	POWERGRID	SR
16	Augmentation of transformation capacity at 400/220kV Trivandrum S/s in Kerala by 500 MVA 400/220kV ICT (4th)				Feb-27	Jun-27	POWERGRID	SR
	1x500 MVA, 400/220kV ICT (4th) at Trivandrum S/s	SA	400/220	500	Feb-27	Jun-27	POWERGRID	SR
17	Augmentation / replacement of existing 400/230kV, 315 MVA ICT-2 with 400/230kV, 500 MVA ICT at Udumalpet 400/230kV S/s				Feb-27	Jun-27	POWERGRID	SR
	Augmentation / replacement of existing 400/230kV, 315 MVA ICT-2 with 400/230kV, 500 MVA ICT at Udumalpet 400/230kV S/s	SA	400/230	500	Feb-27	Jun-27	POWERGRID	SR
18	Augmentation of 1x500 MVA, 400/220kV ICT (3rd) at Thrissur VSC HVDC Station in Kerala				Aug-27	Dec-27	POWERGRID	SR
	1x500 MVA, 400/220kV ICT 3rd	SA	400/220kV	500	Aug-27	Dec-27	POWERGRID	SR
	2 Nos. of 220kV line bays for termination of 220kV transmission lines along with 220kV bus sectionaliser	BE			Aug-27	Dec-27	POWERGRID	SR
	Extension of 220kV GIS hall to accommodate 6 Nos. of 220kV bays (2 Nos. of 220kV ICT bays and 4 Nos. of 220kV line bays) and associated 220kV bussectionaliser	BE			Aug-27	Dec-27	POWERGRID	SR
19	Augmentation of 2x500 MVA, 400/230 kV transformation capacity (3rd & 4th ICTs) at Karur PS				Sep-25	Mar-27	Adani	SR
	• 500 MVA, 400/230 kV ICTs – 1 Nos.	SA	400/230kV	1000	Sep-25	Feb-27	Adani	SR
	500 MVA, 400/230 kV ICTs – 1 Nos.	SA	400/230kV	1000	Sep-25	Mar-27	Adani	SR
20	Implementation of 1 no. of 230kV line bay at Karur 400/230kV PS for interconnection of REGS of M/s Nannai Solar Park Pvt. Ltd				Jan-26	Nov-26	Adani	SR
	• 1 no. of 230kV line bay at Karur 400/230kV PS for interconnection of REGS of M/s Nannai Solar Park Pvt. Ltd.	BE			Jan-26	Nov-26	Adani	SR
21	Augmentation of Transformation capacity by 1x500 MVA, 400/220 kV ICT (3rd) at Narendra (existing) S/s.				Sep-27	Sep-27	POWERGRID	SR
	500 MVA, 400/220 kV ICT – 1 No.	SA	400/220kV	500	Sep-27	Sep-27	POWERGRID	SR
22	Augmentation of Transformation capacity by 1x500 MVA, 400/230 kV ICT (4th) at Kalivanthapattu S/s in Tamil Nadu.				Jun-27	Jun-27	POWERGRID	SR
	500 MVA, 400/230 kV ICT – 1 No.	SA	400/230kV	500	Jun-27	Jun-27	POWERGRID	SR
23	Implementation of 1 no. of 220 kV line bay at Tumkur (Pavagada) PS for providing Connectivity to M/s TEQ Green Power XX Pvt. Ltd.				Mar-27	Mar-27	POWERGRID	SR
	220 kV line bay – 1 No.	BE			Mar-27	Mar-27	POWERGRID	SR
24	Shifting of 2 nos. of 63 MVar line reactors at Madhugiri S/s to vacant 400 kV bays (space) to use as bus reactors				Sep-27	Sep-27	POWERGRID	SR
	Shifting of 63 MVar line reactors [2 nos.] to vacant 400 kV bays [space] [at Madhugiri S/s] 400 kV bays – 2 Nos. [at Madhugiri S/s for utilisation of 2 nos. of 63 MVar line reactors as bus reactors				Sep-27	Sep-27	POWERGRID	SR

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25	Transmission system for integration of Kurnool-V REZ Phase-I" - Upgradation works at Nagarjunasagar and Raichur.				Jun-28	Jun-28	POWERGRID	SR
	Conversion of 765 kV Bus Reactor bays to 765 kV SLR Line bays-2 Nos. (at Raichur New).				Jun-28	Jun-28	POWERGRID	SR
	Shifting of existing 50MVAr Bus Reactor at Nagarjunasagar to a new bay for termination of one circuit of Sagar Nagarjunasagar 400 kV quad D/c line. -				Jun-28	Jun-28	POWERGRID	SR
26	Upgradation / Conversion of Udumalpet – Madurai 400kV S/c line to Udumalpet – Madurai 400kV (quad) D/c line				Aug-28	Aug-28	POWERGRID	SR
	Upgradation / Conversion of Udumalpet - Madurai 400kV S/c line to Udumalpet Madurai 400kV (quad) D/c line.				Aug-28	Aug-28	POWERGRID	SR
	Bay upgradation works at Udumalpet Substation.				Aug-28	Aug-28	POWERGRID	SR
	Bay upgradation works at Madurai Substation.				Aug-28	Aug-28	POWERGRID	SR
27	Reconductoring of Tirunelveli – Udumalpet and Pugalur – Madurai 400kV D/c lines with HTLS conductor				Feb-28	Feb-28	POWERGRID	SR
	Reconductoring of Tirunelveli – Udumalpet 400kV D/c line with HTLS conductor. (Capacity 2100 MVA)				Feb-28	Feb-28	POWERGRID	SR
	Upgradation of bay equipments at Tirunelveli end				Feb-28	Feb-28	POWERGRID	SR
	Upgradation of bay equipments at Udumalpet end				Feb-28	Feb-28	POWERGRID	SR
	Reconductoring of Pugalur – Madurai 400kV D/c line with HTLS conductor. (Capacity 2100 MVA)				Feb-28	Feb-28	POWERGRID	SR
	Upgradation of bay equipments at Pugalur end				Feb-28	Feb-28	POWERGRID	SR
	Upgradation of bay equipments at Madurai end				Feb-28	Feb-28	POWERGRID	SR
28	Implementation of 2 nos. of 220kV Bus Sectionalizers at 220kV level of Gadag-II 400/220kV PS				Aug-27	Aug-27	POWERGRID	SR
	Implementation of 2 nos. of 220kV Bus Sectionalizers at 220kV level of Gadag-II 400/220kV PS				Aug-27	Aug-27	POWERGRID	SR
29	Implementation of 1 no. of 230kV line bay at Tuticorin-II GIS for providing Connectivity to M/s Indianoil NTPC Green Energy Pvt. Ltd				Feb-28	Feb-28	POWERGRID	SR
	1 no. of 230kV line bay at Tuticorin-II GIS for termination of dedicated transmission line of M/s Indianoil NTPC Green Energy Pvt. Ltd				Feb-28	Feb-28	POWERGRID	SR
30	Reconductoring of Gooty - Tumkur (Pavagada) 400kV D/c line with HTLS conductor				Jun-28	Jun-28	POWERGRID	SR
	Reconductoring of Gooty – Tumkur (Pavagada) 400kV D/c line with HTLS conductor (Capacity - 2100 MVA)				Jun-28	Jun-28	POWERGRID	SR
	Upgradation of bay equipments at Gooty end				Jun-28	Jun-28	POWERGRID	SR
	Upgradation of bay equipments at Tumkur (Pavagada) end				Jun-28	Jun-28	POWERGRID	SR
31	Augmentation of transformation capacity by 1x500 MVA, 400/220 kV ICT (9th) at Davanagere PS				Dec-28	Dec-28	POWERGRID	SR
	Augmentation of transformation capacity by 1x500 MVA, 400/220kV ICT (9th) at Davanagere 765/400/220kV PS		400/220	500	Dec-28	Dec-28	POWERGRID	SR

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32	Implementation of 1 no. of 220kV Bus Sectionalizer at 220kV level of Koppal-II 765/400/220kV PS				Jun-28	Jun-28	POWERGRID	SR
	Implementation of 1 no. of 220kV Bus Sectionalizer at 220kV level of Koppal-II 765/400/220kV PS		220		Jun-28	Jun-28	POWERGRID	SR
33	Implementation of 2 no. of 220kV line bay at Tumkur (Pavagada) PS for termination of Tumkur (Pavagada) – Pavagada (KPTCL) 220kV D/c line of KPTCL.				Jun-28	Jun-28	POWERGRID	SR
	2 nos. of 220kV line bays at Tumkur (Pavagada) PS for termination of Tumkur (Pavagada) - Pavagada (KPTCL) 220kV D/c line of KPTCL.		220		Jun-28	Jun-28	POWERGRID	SR

Data has been prepared based on the commitment given by TSPs in JCC/various review meetings taken by MoP/CEA/CTUIL.

Note:

BE: Bay Extension
BR: Bus Reactor
REC: Reconductoring
SA: Substation Augmentation
SLR: Switchable Line Reactor
SN: Substation New
STAT: Statcom
SS: Switching Station
TL: Transmission Line