

Status of ISTS- RTM Projects -SR

As on 31.07.2026

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 System for Kurnool Wind Energy Zone/ Solar Energy Zone (AP) – Part-A & 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 1X1500 MVA (3rd) , 765/400 KV ICT at Maheswaram (PG) Substation in Telangana				Apr-25	Completed	POWERGRID	SR
	Augmentation of Transformation Capacity by 1x1500 MVA (3rd) , 765/400 KV ICT at Maheswaram (PG)	SA	765/400	1500	Apr-25	Completed	POWERGRID	SR
3	Reconductoring of Raichur – Velloor (Mahabubnagar) 400 kV S/c line with HTLS conductor				Dec-25	Completed	POWERGRID	SR
	RECONDUCTORING OF RAICHUR – VELTOOR (MAHABUBNAGAR) 400 KV S/C LINE WITH HTLS CONDUCTOR	REC	400		Dec-25	Completed	POWERGRID	SR
	Upgradation of 400KV bay equipments at Raichur Thermal Power Station end				Dec-25	Completed	POWERGRID	SR
	Upgradation of 400KV Bay Equipments at Velloor (Mahabubnagar) [TS Transco] end				Dec-25	Completed	POWERGRID	SR
4	Augmentation of 1x1500 MVA (3rd), 765/400 kV transformation capacity at Kurnool New Substation				Sep-25	Completed	POWERGRID	SR
	765/400KV 1500MVA ICT (3rd) -1 No. (4x500 MVA units including one spare unit)	SA	765/400	1500	Sep-25	Completed	POWERGRID	SR
5	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	Oct'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	Oct-26	POWERGRID	SR
6	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	Dec-26	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	Dec-26	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	Dec-26	POWERGRID	SR

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7	Augmentation of Transformation capacity at 400/230KV Tuticorin-II GIS PS in Tamil nadu by 500 MVA, 400/230KV ICT (6th) to meet N-1 reliability of RE Pooling Station				Dec-25	Completed	POWERGRID	SR
	500MVA, 400/230KV ICT (6th) at Tuticorin-II GIS	SA	400/230	500	Dec-25	Completed	POWERGRID	SR
8	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	Aug-26	POWERGRID	SR
	PART A: 400/220KV ICT (1X500MVA)	SA	400/220	500	Sep-25	Aug-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	Aug-26	POWERGRID	SR
9	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
10	Implementation of 3 nos. of 400kV line bays at Ananthapuram PS for integration of RE generation projects				Mar-26	Completed	POWERGRID	SR
	Implementation of 3 nos. of 400kV line bays at Ananthapuram PS for integration of RE generation projects	BE	400		Mar-26	Completed	POWERGRID	SR
11	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
12	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
13	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

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	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
14	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
15	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
16	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
17	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
18	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
19	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
20	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
21	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

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22	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
23	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
24	Augmentation of transformation capacity at 400/220kV Koppal 400/220kV ICT (6th)				Jul-25	Completed	Renew	SR
	• 500 MVA 400/220 kVICT-1no. • 400 kV ICT bay – 1 no. • 220 kV ICT bay – 1 no	SA	400/220kV	500	Jul-25	Completed	Renew	SR
25	Augmentation of transformation capacity at 400/220kV GadagPS in Karnataka by 1x500MVA,400/220kV ICT (6th)				Jul-25	Completed	Renew	SR
	• 500 MVA 400/220 kV ICT-1no. • 400 kV ICT bay – 1 no. • 220 kV ICT bay – 1 no.	SA	400/220kV	500	Jul-25	Completed	Renew	SR
26	Scheme to bypass NGR to use Switchable Line Reactor as Bus Reactor for transmission lines implemented by WKTL under the scheme “Additional interRegional AC link for import into Southern Region i.e.,Warora – Warangal and Chilakaluripeta - Hyderabad - Kurnool 765kV link.” – Part-A				Jul-24	Completed	Adani	SR
	NGR bypass arrangement to use 240 MVar SLR as bus reactors installed at Warangal end on each circuit of Warangal (New) – Hyderabad 765 kV D/c line				Jul-24	Completed	Adani	SR
	NGR bypass arrangement to use 240 MVar SLR as bus reactors installed at Warora and Warangal New ends on each circuit of Warora Pool – Warangal (New) 765 kV D/c line				Jul-24	Completed	Adani	SR
	NGR bypass arrangement to use 240 MVar SLR as bus reactors installed at Warangal New and Chilakaluripeta ends on each circuit of Warangal (New) – Chilakaluripeta 765kV D/c line				Jul-24	Completed	Adani	SR
27	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	Mar-27	Adani	SR
	500 MVA, 400/230 kV ICTs – 1 Nos.	SA	400/230kV	1000	Sep-25	Mar-27	Adani	SR

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28	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	Oct-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	Oct-26	Adani	SR
29	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
30	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
31	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
32	Shifting of 2 nos. of 63 MVA 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 MVA 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 MVA line reactors as bus reactors				Sep-27	Sep-27	POWERGRID	SR
33	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 50MVA 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
34	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
35	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

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	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
36	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
37	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
38	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

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