

Status of ISTS- RTM Projects- NR

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	Reactive Power Compensation on 400kV transmission lines in NR				30-Jan-2024	31-Dec-2026	POWERGRID	NR
	Installation of 50MVAR switchable line reactor at Mainpuri end and fixed 50 MVAR line reactor at Ballabgarh 400kV D/C line along with 450 ohm NGR at each ends (with NGR bypass arrangment for operation of line reactor as a bus reactor)	BE			30-Jan-2024	"50 MVAR line reactor at Ballabgarh end for Ballabgarh Mainpuri Ckt-2 Charged 17.10.25 Balance 50 MVAR line reactor at Ballabgarh Mainpuri Ckt-1 , to be commissioned by Dec'26 50 MVAR line reactor at mainpuri end for Mainpuri Ballabgarh Ckt-1 charged on 15.03.26 & Ckt-2 charged on 18.03.26	POWERGRID	NR
	Installation of 80MVAR switchable line reactor at Allahabad end on Kanpur-Allahabad 400kV S/C line along with 450 ohms NGR (with NGR bypass arrangment for operation of line reactor as a bus reactor)	BE			30-Jan-2024	Charged on 23.04.26	POWERGRID	NR
	Installation of 80MVAR fised line reactor at Bhiwadi end for uncompensated circuit of Agra-Bhiwadi 400kV S/C line along with 450 ohms NGR (with NGR bypass arrangment for operation of line reactor as a bus reactor)-	BE			30-Jan-2024	Charged on 28.06.2025	POWERGRID	NR
2	Transmission system for evacuation of power from REZ in Rajasthan (20GW) under Phase-III Part J				15-Jan-2026	31-Dec-2026	POWERGRID	NR
	765/400kV, 1x1500MVA Transformer (3rd) at Bikaner (PG)	SA	765/400	1500	31-Dec-2023	Charged on 27.04.2023	POWERGRID	NR
	400/220kV, 1x500MVA Transformer (11th) at Fatehgarh-2 PS	SA	400/220	500	15-Jan-2026	31-Dec-2026	POWERGRID	NR
	765/400kV, 1x1500MVA Transformer (5th) at Bhadla-2 PS	SA	765/400	1500	15-Jan-2026	31-Dec-2026	POWERGRID	NR
	1x1500 MVA ICT (3rd), 765/400kV ICT at Jhatikara Substation (Bamnoli/Dwarka section) (Bays associated with X-mer)	SA	765/400	1500	15-Jan-2026	Charged on 15.09.2026	POWERGRID	NR
3	Transmission system for evacuation of Power from REZ in Rajasthan (20 GW) under phase-III Part-D – Phase-II				28-Feb-2026	31-Dec-2026	POWERGRID	NR
	400KV JHATIKARA-DWARAKA D/C LINE (QUAD)	TL	400		28-Feb-2026	31-Dec-2026	POWERGRID	NR
	02 Nos. of 400 KV Line bay at Jhatikara	BE			28-Feb-2026	31-Dec-2026	POWERGRID	NR
	02 Nos. of 400 KV Line bay at Dwarka	BE			28-Feb-2026	31-Dec-2026	POWERGRID	NR

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4	Reconductoring of 220KV Hisar (PG)-Hisar (IA) D/C Line				1-Jul-2025	30-Nov-2026	POWERGRID	NR
	Reconductoring of 220KV Hisar (PG)-Hisar (IA) D/C Line (Single Zebra) with HTLS Conductor	REC	220		1-Jul-2025	30-Nov-2026	POWERGRID	NR
	Bay Equipment upgradation at 220KV Hisar (PG) End	BE			1-Jul-2025	30-Nov-2026	POWERGRID	NR
5	Augmentation of Transformation Capacity at 400/220KV kankroli (PG) S/S in Rajasthan by 400/220KV 1x500MVA ICT (4th)				21-Sep-2025	31-Dec-2026	POWERGRID	NR
	500MVA, 400/220 KV ICT Bay for existing 50MVAr Bus Reactor	SA	400/220	500	21-Sep-2025	31-Dec-2026	POWERGRID	NR
	Shifting of existing 50 MVAr Bus reactor so0 as to accomodate 4th ICT and devlopment of 400kV bay for reactor	SA			21-Sep-2025	30-Nov-2026	POWERGRID	NR
6	Augmentation of Transformation Capacity at 400/220kV New Wanpoh (PG) S/s in Jammu & Kashmir by 400/220kV, 1x315MVA (3x105MVA) ICT (3rd)				22-Dec-2025	30-Jun-2027	POWERGRID	NR
	315 MVA, 400/220 KV ICT (3x105 MVA Single Units)	SA	400/220	315	22-Dec-2025	30-Jun-2027	POWERGRID	NR
7	Augmentation of Transformation Capacity at 400/220kV Bassi (PG) S/s in Rajasthan by 400/220kV,1x500 MVA ICT (4th)				14-Dec-2025	Completed	POWERGRID	NR
	1x500 MVA, 400/220 KV ICT	SA	400/220	500	14-Dec-2025	Charged on 26.09.2026	POWERGRID	NR
8	Augmentation of Transformation Capacity at 400/220kV Malerkotla (PG) S/s in Punjab by 400/220kV, 1x500MVA ICT (4th)				14-Mar-2026	15-Oct-2026	POWERGRID	NR
	400/220kV, 1x500MVA ICT (4th) at Malerkotla (PG) S/s in Punjab	SA	400/220	500	14-Mar-2026	15-Oct-2026	POWERGRID	NR
9	Augmentation of Transformation Capacity at 765/400/220kV Bikaner PS in Rajasthan by 400/220kV, 1x500MVA ICT (4th)				18-Jan-2026	31-Dec-2026	POWERGRID	NR
	Augmentation of Transformation Capacity at 765/400/220kV Bikaner PS in Rajasthan by 400/220kV, 1x500MVA ICT (4th)	SA	400/220	500	18-Jan-2026	31-Dec-2026	POWERGRID	NR
10	Augmentation of Transformation Capacity at 400/220 KV Bhiwadi (PG) S/s in Rajasthan by 400/220 KV ,1x500 MVA ICT(4th)				18-Jan-2026	31-Dec-2026	POWERGRID	NR
	Augmentation of Transformation Capacity at 400/220 KV Bhiwadi (PG) S/s in Rajasthan by 400/220 KV ,1x500 MVA ICT(4th)	SA	400/220	500	18-Jan-2026	31-Dec-2026	POWERGRID	NR
11	Augmentation of transformation capacity at 400/220 kV Bhadla-II PS (section-1) in Rajasthan by 1x500 MVA, 400/220kV ICT (6th) to cater to the N-1 contingency requirements				12-Mar-2026	31-Dec-2026	POWERGRID	NR

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	Augmentation of transformation capacity at Bhadla-II PS (Section-1) by 1x500 MVA, 400/220KV ICT (6th) along with associated bays.	SA	400/220	500	12-Mar-2026	31-Dec-2026	POWERGRID	NR
12	Implementation of 1 No. of 220KV Line Bay at 400/220KV Fatehgarh-III PS (Sec-1) for interconnection of BESS of JSW Renew Energy Five Ltd to PRTL				30-Jun-2025	30-Apr-2027	POWERGRID	NR
	Implementation of 1 No. of 220KV Line Bay at 400/220KV Fatehgarh-III PS (Sec-1) for interconnection of BESS of JSW Renew Energy Five Ltd	BE			30-Jun-2025	30-Apr-2027	POWERGRID	NR
13	Augmentation of transformation Capacity at 400/220KV Bikaner-II PS in Rajasthan by 400/220KV, 1x500MVA ICT (9th) by PBTSL				18-Jan-2026	31-Dec-2026	POWERGRID	NR
	400/220KV, 1x500MVA ICT (9th) at Bikaner-II	SA	400/220	500	18-Jan-2026	31-Dec-2026	POWERGRID	NR
14	Transmission Scheme for evacuation of Power from Ratle HEP (850 MW) & kiru (624 MW): Part B				14-Jul-2026	30-Jun-2027	POWERGRID	NR
	Reconductring of 400KV Kishenpur-Kishtwar Section (upto LILO point) with Twin HTLS along with bay upgradation works at kishenpur end	REC			14-Jul-2026	30-Jun-2027	POWERGRID	NR
	Bypassing both Ckts of 400KV kishenpur-Samba D/C line (Twin) & 400KV Samba-Jalandhar D/c Line (Twin) at Samba & connecting them together to form 400KV kishenpur-Jalandhar D/c Direct line	REC			14-Jul-2026	30-Jun-2027	POWERGRID	NR
	Bays upgradation works at samba end	BE			14-Jul-2026	30-Jun-2027	POWERGRID	NR
	Reduntant communication System for Dulhasti (NHPC) & Kishtwar (Sterlite) stations by installing OPGW on 400KV Kishenpur-Kishtwar S/c Line along with reconductring work and FOTE at Dulhasti & Kishenpur.				14-Jul-2026	30-Jun-2027	POWERGRID	NR
15	Implementation of 02 nos. 220KV line bays at 765/400/220KV Bikaner-III PS for interconnection of 500MW REGS of M/s NTPC Renewable Energy Ltd by PBTNL				31-Dec-2025	Completed	POWERGRID	NR
	02 nos. 220KV line bays at 765/400/220KV Bikaner-III PS for interconnection of 500MW REGS of M/s NTPC Renewable Energy Ltd by PBTNL	BE			31-Dec-2025	Charged on 12.09.2026	POWERGRID	NR
16	Transmission sysstem strengthening to facilitate evacuation of power from Bhadla/Bikaner Complex				9-Jun-2026	31-Mar-2027	POWERGRID	NR
	400 kV Bareilly (765/400 kV) – Bareilly (PG) D/c line (Quad) (2nd)	TL			9-Jun-2026	31-Jan-2027	POWERGRID	NR
	Augmentation with 1x1500 MVA, 765/400 kV ICT (3rd) at Bareilly (765/400 kV) S/s	SA	765/400	1500	9-Jun-2026	31-Mar-2027	POWERGRID	NR

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17	Augmentation of transformation capacity at 765/400/220kV Bikaner-III PS in Rajasthan by 1x500 MVA, 400/220kV ICT (6th)				20-Jul-2026	30-Jun-2027	POWERGRID	NR
	1x500 MVA, 400/220kV ICT (6th) along with associated bays	SA	400/220	500	20-Jul-2026	30-Jun-2027	POWERGRID	NR
18	Augmentation of transformation capacity at 400/220kV Bikaner-II PS in Rajasthan by 1x500 MVA, 400/220kV ICT (10th)				20-Jul-2026	28-Feb-2027	POWERGRID	NR
	500 MVA, 400/220 kV ICT1 no. (10th)	SA	400/220	500	20-Jul-2026	28-Feb-2027	POWERGRID	NR
19	Augmentation of transformation capacity at 765/400/220kV Agra (PG) S/s in Uttar Pradesh by 1x500 MVA, 400/220kV ICT (3rd)				20-Oct-2026	30-Apr-2027	POWERGRID	NR
	500 MVA, 400/220 kV ICT- 1 no. (3rd)	SA	400/220	500	20-Oct-2026	30-Apr-2027	POWERGRID	NR
20	Augmentation of transformation capacity at 400/220kV Mandola (PG) S/s in Uttar Pradesh by 1x500 MVA, 400/220kV ICT (5th)				20-Jul-2026	30-Apr-2027	POWERGRID	NR
	500 MVA, 400/220 kV ICT- 1 no. (5th)	SA	400/220	500	20-Jul-2026	30-Apr-2027	POWERGRID	NR
21	Augmentation of transformation capacity at 765/400/220kV Bhadla-II PS in Rajasthan by 1x500 MVA, 400/220kV ICT (4th) to cater the N-1 contingency requirement				20-Jul-2026	31-Mar-2027	POWERGRID	NR
	500 MVA, 400/220 kV ICT1 no. (4th)	SA	400/220	500	20-Jul-2026	31-Mar-2027	POWERGRID	NR
22	Augmentation of transformation capacity at 400/220kV Samba (PG) S/s in Jammu & Kashmir by 1x500 MVA, 400/220kV ICT (4th)				23-Apr-2026	30-Dec-2026	POWERGRID	NR
	500 MVA, 400/220 kV ICT1 no. (4th)	SA	400/220	500	23-Apr-2026	30-Dec-2026	POWERGRID	NR
23	Implementation of 1 no. 220kV line bay for interconnection of 300MW REGS of M/s Deshraj Solar Energy Pvt. Ltd. (DSEPL) and 3 nos. 400kV line bays for interconnection of 1400MW RPPD of M/s Sunbreeze Renewables Nine Pvt. Ltd. (SR9PL) (2 nos. bays) & 1000MW RPPD of M/s MRS Buildvision Pvt. Ltd. (MBPL) (1 no. bay) at 765/400/220kV Bikaner-III PS				22-Aug-2026	10-Oct-2026	POWERGRID	NR
	220 kV line bay – 1 no 400 kV line bay (including associated tie bay) – 3 nos.	BE			220KV Bay: Mar-26 400KV Bays: Aug-26	10-Oct-2026	POWERGRID	NR
24	Augmentation of transformation capacity at 400/220kV Maharani Bagh (PG) S/s (GIS) in Delhi by 1x500 MVA, 400/220kV ICT (5th)				5-May-2027	31-May-2027	POWERGRID	NR
	500 MVA, 400/220 kV ICT– 1 No at Maharani Bagh	SA	400/220	500	5-May-2027	31-May-2027	POWERGRID	NR

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25	Implementation of 1 no. 400kV ICT bay along with 400kV Sectionalization bay (GIS) at 765/400kV Jhatikara (PG) S/s				5-Nov-2026	30-Jun-2027	POWERGRID	NR
	Implementation of 1 No. 400kV ICT Bay at 400kV Mundka Section to mitigate power flow congestion at Delhi Ring Main unit through 400 kV Switchyard at 765/400kV Jhatikara substation	BE			5-Feb-2026	Charged on 27.07.26	POWERGRID	NR
	400kV Sectionalization bay (GIS) at 765/400kV Jhatikara (PG) S/s to interconnect both 400kV sections in the event of contingency	BE			5-Nov-2026	30-Jun-2027	POWERGRID	NR
26	Augmentation of 2x500 A (7th & 8th), 400/220 kV ICTs along with 220 kV Sectionalizer bay (1 set), 220 kV BC (1 no.) bay and 220 kV TBC (1 no.) bay at Bikaner-IV PS				4-Feb-2027	30-Jun-2027	POWERGRID	NR
	Augmentation of 400/220 kV, 2x500 MVA (7th & 8th) ICTs at Bikaner-IV PS along with associated transformer bays	SA	400/220	1000	4-Feb-2027	30-Jun-2027	POWERGRID	NR
	220 kV Sectionalizer bay (1 set), 220 kV BC (1 no.) bay and 220 kV TBC (1 no.) bay at Bikaner IV PS	BE			4-Feb-2027	30-Jun-2027	POWERGRID	NR
27	Augmentation of Transformation capacity at 400/220kV Jaipur South (PG) S/s in Rajasthan by 1x500MVA ,400/220kV ICT (3rd)				8-Feb-2027	30-Jun-2027	POWERGRID	NR
	500 MVA, 400/220 kV ICT 1 no (3rd)	SA	400/220	500	8-Feb-2027	30-Jun-2027	POWERGRID	NR
28	Augmentation of transformation capacity at 400/220kV Neemrana (PG) in Rajasthan by 1x500 MVA, 400/220kV ICT (3rd)				8-Feb-2027	30-Jun-2027	POWERGRID	NR
	500 MVA, 400/220 kV ICT 1 no (3rd)	SA	400/220	500	8-Feb-2027	30-Jun-2027	POWERGRID	NR
29	Augmentation of transformation capacity at 400/220kV Lucknow (PG) S/s in Uttar Pradesh				8-May-2027	8-May-2027	POWERGRID	NR
	500 MVA, 400/220 kV ICT 1 no (3rd)	SA	400/220	500	8-May-2027	8-May-2027	POWERGRID	NR
	02 Nos. of 220kV Bus Extension Bays	BE	400/220		8-May-2027	8-May-2027	POWERGRID	NR
30	Implementation of 3 nos. of 220 kV line bays for interconnection of M/s Furies Solren Private Limited (300MW) [1 no. bay] & M/s SJVN Green Energy Limited (500MW) [2 no. bays] RE power projects at 765/400/220kV Bikaner-IV PS				11-Nov-2026	30-Nov-2027	POWERGRID	NR
	220 kV Line Bay- 3 nos.				11-Nov-2026	30-Sep-2027	POWERGRID	NR
31	Implementation of 1 no. of 220 kV line bay at 765/400/220kV Barmer-I PS for interconnection of M/s Anboto Solar Private Limited (250MW+50MW) RE power projects				7-Nov-2026	30-Nov-2027	POWERGRID	NR
	220 kV line bay -1 no.				7-Nov-2026	30-Sep-2027	POWERGRID	NR

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32	Implementation of 1 no. 220kV line bay for interconnection of M/s Rajasthan BESS Private Limited (250MW) BESS Project at 765/400/220kV Bhadla-III PS				25-Feb-2027	25-Feb-2027	POWERGRID	NR
	1 No. of 220 kV line bay for interconnection of M/s Rajasthan BESS Private Limited (250MW) RE power projects at 765/400/220 kV Bhadla-III PS				25-Feb-2027	25-Feb-2027	POWERGRID	NR
33	Augmentation of Transformation capacity by 1x500MVA, 400/220kV ICT (4th) at 400/220kV Sikar (PG) S/s in Rajasthan				30-Jun-2027	3-Jun-2027	POWERGRID	NR
	500 MVA, 400/220 kV ICT - 1 No.			500	30-Jun-2027	3-Jun-2027	POWERGRID	NR
34	Implementation of 1 nos. of 400 kV line bay at 765/400/220kV Fatehgarh-IV (sec2) PS for interconnection of 600MW				7-Nov-2026	30-Dec-2026	Apraava	NR
	1 no. of 400 kV line bay at 765/400/220 kV Fatehgarh-IV(Sec-2) PS for interconnection of 600MW REGS of M/s ReNew Solar Power Pvt. Ltd.				7-Nov-2026	30-Dec-2026	Apraava	NR
35	Implementation of 3 nos. 220kV line bays and 1 no. 400kV line bay for interconnection of REGS at 765/400/220kV Fatehgarh-IV (sec-2) PS				30-Dec-2026	30-Dec-2026	Apraava	NR
	1 no. of 220 kV line bays at 765/400/220kV Fatehgarh-IV (sec-2) PS for interconnection of 300MW REGS of M/s Avaada Energy Pvt. Ltd. (App. No. 2200000290-250MW & App no. 2200000077-50MW)				30-Dec-2026	30-Dec-2026	Apraava	NR
	1 no. of 220 kV line bays at 765/400/220kV Fatehgarh-IV (sec-2) PS for interconnection of 300MW REGS of M/s BN Dispatchable-1 Pvt. Ltd. (App. no. 2200000103 - 300MW)				30-Dec-2026	30-Dec-2026	Apraava	NR
	1 no. of 220 kV line bays at 765/400/220kV Fatehgarh-IV (sec-2) PS for interconnection of 300MW REGS of M/s Gamma Renewables India Project One Pvt. Ltd. (App. No. 2200000355-300MW)				30-Dec-2026	30-Dec-2026	Apraava	NR
	1 no. of 400 kV line bay at 765/400/220kV Fatehgarh-IV (sec-2) PS for interconnection 900MW REGS of M/s NTPC Renewable Energy Ltd. (App. no. 2200000348 - 900MW)				30-Dec-2026	30-Dec-2026	Apraava	NR
36	Transmission System for Evacuation of Power from Rajasthan REZ Ph-IV (Part-2 : 5.5 GW) (Jaisalmer/Barmer Complex) Part-H2				15-Oct-2026	30-Jun-2027	Indigrid	NR
	Provision of NGR bypass arrangement and inter tripping scheme on 240MVAR SW LR at Bhopal end of Kurawar-Bhopal 765kV S/c line (~60km)				15-Oct-2026	30-Jun-2027	Indigrid	NR

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37	Transmission scheme for evacuation of power as part of Rajasthan REZ Ph-IV (Part-6: 6GW) (Bikaner Complex) (Bikaner V: 6GW) – Part E				19-Jun-2029	19-Jun-2029	POWERGRID	NR
	Reconductoring of 400kV Patiala – Mohali section (upto LILO point) with twin HTLS line	REC			19-Jun-2029	19-Jun-2029	POWERGRID	NR
	400kV Bay upgradation at Patiala S/s(AIS) end	BE			19-Jun-2029	19-Jun-2029	POWERGRID	NR
38	Implementation of 2 nos. 220kV line bays (GIS) at 400/220kV Nallagarh (PG) S/s for the termination of 220kV D/c line from 220/132kV Kunihar S/s to Nallagarh				31-Oct-2028	31-Oct-2028	POWERGRID	NR
	2 nos. 220kV line bays (GIS) at 400/220kV Nallagarh (PG) S/s				31-Oct-2028	31-Oct-2028	POWERGRID	NR
39	Augmentation of 400/220kV, 1x500 MVA (4th) ICT at 400/220kV Sohawal (PG) S/s				18-Dec-2028	18-Dec-2028	POWERGRID	NR
	Augmentation of 400/220kV, 1x500 MVA (4th) ICT at 400/220kV Sohawal (PG) S/s along with transformer bays (with 220kV side connection with EHV cable)				18-Dec-2028	18-Dec-2028	POWERGRID	NR
40	Implementation of Dynamic Line Rating (DLR) system in 400kV Jhatikara-Mundka D/c line & Jhatikara-Bamnoli line				18-Feb-2027	18-Feb-2027	POWERGRID	NR
	Implementation of Dynamic Line Rating (DLR) system in 400kV Jhatikara-Mundka D/c line & Jhatikara-Mundka line (17km)				18-Feb-2027	18-Feb-2027	POWERGRID	NR
	Implementation of Dynamic Line Rating (DLR) system in 400kV Jhatikara-Mundka D/c line & Jhatikara-Bamnoli line (12km)				18-Feb-2027	18-Feb-2027	POWERGRID	NR

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