

**CENTRAL ELECTRICITY AUTHORITY
POWER SYSTEM WING
Power System Project Monitoring Division
Sub-Stations Completed During FY - 2023-24**

As on 29-Feb-24

SI No	Name of Sub Stations	Voltage Ratio (kV/kV)	Executing Agency	Capacity (MW/MVA)	Month of Completion
1.	2.	3.	4.	5.	6.
765 kV					
<u>CENTRAL SECTOR</u>					
1	765/400 1x1500MVA T/F (3rd) at Bikaner(PG)	765/400	PGCIL	1500	APR-23
2	1x1500MVA 765/400kV ICT (3rd) at Nizamabad (PG) SS (2x1500MVA already existing)	765/400	PGCIL	1500	JAN-24
3	765/400/220kV Extension at Fatehgarh-II 765/400kV 1500MVA 6th ICT (Phase II Part B1)	765/400	PGCIL	1500	FEB-24
TOTAL CENTRAL SECTOR				4500	
<u>STATE SECTOR</u>					
4	Ariyalur S/S	765/400	TANTRANSCO	1500	DEC-23
5	North Chennai Pooling Station (GIS) (3X1500)	765/400	TANTRANSCO	4500	FEB-24
TOTAL STATE SECTOR				6000	
<u>PRIVATE SECTOR</u>					
6	Warangal (New) S/S with 2X1500 MVA transformers and 2X240 MVAR bus reactors.	765/400	APL	3000	SEP-23
7	Establishment of 3X1500 MVA 765/400 kV Khavda (GIS) with 1X330 MVAR 765 kV bus reactor and 1X125 MVA	765/400	APL	4500	FEB-24
TOTAL PRIVATE SECTOR				7500	
TOTAL 765 kV				18000	
400 kV					

SI No	Name of Sub Stations	Voltage Ratio (kV/kV)	Executing Agency	Capacity (MW/MVA)	Month of Completion
1.	2.	3.	4.	5.	6.
CENTRAL SECTOR					
8	1x500MVA 400/220kV ICT(7th) at Bhadla-II (8.1 GW SEZ in rajasthan phase II part B1)	400/220	PGCIL	500	APR-23
9	1x500MVA 400/220kV ICT (3rd) at Ranchi (PG) S/S	400/220	PGCIL	500	MAY-23
10	Ext. at Bhadla-II PS (ICT2 ,3,4,5) connectivity to RE proj. at Bikaner (PG) Fatehgarh-II & Bhadla-II	400/220	PGCIL	1000	MAY-23
11	Replacement of 1x250 MVA 400/220 kV ICT at 765/400/220 kV Moga (PG) S/s with 1x500 MVA 400/220kV ICT	400/220	PGCIL	250	MAY-23
12	Replacement of 1x315 MVA 400/220kV ICT (ICT-1) at 400/220 kV Ludhiana (PG) S/s with 1x500 MVA	400/220	PGCIL	185	MAY-23
13	1x500 MVA 400/220 kV ICT (3rd) at Sohawal (PG)	400/220	PGCIL	500	JUN-23
14	1x500MVA 400/220kV ICT at Kochi SS	400/220	PGCIL	500	JUL-23
15	765/400/220kV Extension at Fatehgarh-II (400/220kV 500MVA (9th))	400/220	PGCIL	500	JUL-23
16	Aug. of 1x315MVA 400/220kV ICT to 1x500MVA 400/220kV ICT at Patiala (PG) S/S	400/220	PGCIL	500	JUL-23
17	1x500MVA400/230kV ICT-5 (4th) at Tuticorin under Evacuation of RE inTirunelveli and Tuticorin WEZ	400/230	PGCIL	500	AUG-23
18	1x500MVA 400/220kV ICT (3rd) at Bhatapara (PG)	400/220	PGCIL	500	SEP-23
19	1x 500MVA 400/220kV ICT (1st) at Fatehgarh-III (Ramgarh-II)	400/220	PGCIL	500	SEP-23
20	1x 500MVA 400/220kV ICT (2nd) at Fatehgarh-III (Ramgarh-II) under phase-II- Part A	400/220	PGCIL	500	OCT-23
21	1x 500MVA 400/220kV ICT (3rd) at Fatehgarh-III (Ramgarh-II) under phase-II- Part A	400/220	PGCIL	500	OCT-23
22	1x 500MVA 400/220kV ICT (4th) at Fatehgarh-III (Ramgarh-II) under phase-II- Part A	400/220	PGCIL	500	NOV-23
23	1x500MVA 400/220kV ICT along with associated bays at Kurukshetra (PG) GIS S/S	400/220	PGCIL	500	NOV-23

SI No	Name of Sub Stations	Voltage Ratio (kV/kV)	Executing Agency	Capacity (MW/MVA)	Month of Completion
1.	2.	3.	4.	5.	6.
24	2x500MVA 400/230kV 4th ICT at Tuticorin-II GIS S/S	400/230	PGCIL	500	DEC-23
25	1x500MVA 400/220kV ICT (3rd) at Palakkad (PG) SS (2x315MVA already existing)	400/220	PGCIL	500	DEC-23
26	REP.1X315MVA 400/220KV ICT BY 1X500MVA AT TRICHY Under Add Cap Works-NLCT2_Block 2019-24	400/220	PGCIL	185	JAN-24
27	1X500MVA 400/220KV ICT-1 at BIKANER-II under RTM-Addl. Scope for PBTSL	400/220	PGCIL	500	JAN-24
	TOTAL CENTRAL SECTOR			9620	
STATE SECTOR					
28	Guddigudem SS (LIS) (2x315 MVA)	400/220/11	APTRANSCO	630	APR-23
29	Aug. at Jammalamadugu	400/220	APTRANSCO	500	APR-23
30	Kottayam (T/F - I)	400/220	KSEB	315	MAY-23
31	Hindupur (ICT 3rd)	400/220	APTRANSCO	315	MAY-23
32	Sultanpur (Capacity Aug.) T/F-III	400/220	UPPTCL	315	MAY-23
33	New Koyna (Aug) (3x105 MVA)	400/220	MSETCL	315	MAY-23
34	Nakodar (Aug .of 1x315 MVA T/F 1 with 1x500 MVA T/F)	400/220	PSTCL	185	JUN-23
35	Kottayam (T/F - II)	400/220	KSEB	315	AUG-23
36	Durgapur 400KV SS Tr. Aug.	400/220	WBSETCL	315	AUG-23
37	400KV Veltoor Substation	400/220	TSTRANSCO	185	AUG-23
38	Kirnapur Addl. T/F	400/132	MPPTCL	100	OCT-23
39	Vellalaviduthi (2X315)	400/230	TANTRANSCO	315	OCT-23
40	Rasra Ballia (New (T/F-II)	400/220	UPPTCL	500	OCT-23
41	Choutuppall (Ist Transformer)	400/220/132	TSTRANSCO	500	NOV-23
42	400/220kV SS Hindupur	400/220	APTRANSCO	315	DEC-23
43	Vellalaviduthi T/F-II	400/230	TANTRANSCO	315	DEC-23
44	Suryapet	400/220	TSTRANSCO	500	DEC-23

SI No	Name of Sub Stations	Voltage Ratio (kV/kV)	Executing Agency	Capacity (MW/MVA)	Month of Completion
1.	2.	3.	4.	5.	6.
45	Gokarna 400KV SS Tr. Aug.	400/220	WBSETCL	315	DEC-23
46	400kV GSS Chittorgarh	400/220	RVPNL	315	JAN-24
47	400 kV S/S Dhanansu (1x315 MVA)	400/220	PSTCL	500	JAN-24
48	Dichpally (3x315 MVA to 3x315 1x500)	400/220	TSTRANSCO	500	FEB-24
49	400 kV S/s Panki Kanpur (Capacity Aug.) (500-315) ICT-I	400/220	UPPTCL	185	FEB-24
50	Sahupuri Chandauli (New) T/F-II	400/220	UPPTCL	500	FEB-24
51	400kV Babhaleshwar S/S (3x167)	400/220/33	MSETCL	500	FEB-24
	TOTAL STATE SECTOR			8750	
PRIVATE SECTOR					
52	2x500MVA (400/230 kV) Karur Pooling Station	400/230	APL	1000	OCT-23
53	Koppal (PS)	400/220	RTVPL	1500	OCT-23
54	3 x 500 MVA ICT GIS Buildings at Vikhroli	400/220	APL	1500	OCT-23
55	Augmentation of 400/220 KV Koppal Substation with 2x500 MVA ICTs	400/220	RTVPL	1000	JAN-24
56	Establishment of 400/220 kV 3X500 MVA at Pachora SEZ PP with 420 kV (125 MVAR) bus reactor	400/220	GRINFRA	1500	FEB-24
	TOTAL PRIVATE SECTOR			6500	
	TOTAL 400 kV			24870	
230 kV					
STATE SECTOR					
57	Kadapperi S/S Aug.(160-100)	230/110	TANTRANSCO	60	APR-23
58	Erode (T/F - II)	230/110	TANTRANSCO	100	JUL-23
59	Enhancement of Transformer capacity from 50MVA to 100MVA in Eachangadu 230/110KV SS	230/110	TANTRANSCO	50	JUL-23
60	Veerapuram 230 kV	230/110	TANTRANSCO	100	AUG-23
61	Karuppur	230/110	TANTRANSCO	100	OCT-23

SI No	Name of Sub Stations	Voltage Ratio (kV/kV)	Executing Agency	Capacity (MW/MVA)	Month of Completion
1.	2.	3.	4.	5.	6.
62	Nokia 230kV (1x100 to 2x100)	230/110	TANTRANSCO	100	OCT-23
63	Kits Park 230/110 KV SS (1x80 to 1x100)	230/110	TANTRANSCO	20	OCT-23
64	Athipattu 230kV (1x100 to 2x100)	230/110	TANTRANSCO	100	OCT-23
65	Thirupathur 230/110 KV (Second 100 MVA ICT)	230/110	TANTRANSCO	100	OCT-23
66	Singapuram S/S (ICT-II)	230/110	TANTRANSCO	100	OCT-23
67	Thiruchuli 230/110 kV SS (Enhancement from 1x50 to 1x100 MVA)	230/110	TANTRANSCO	50	NOV-23
68	Sankarapuram 230/110 kV SS (Additional Transformer from 1x100 to 2x100 MVA)	230/110	TANTRANSCO	100	NOV-23
69	Coimbatore 230/110 kV SS (Additional Transformer from 2x100 to 3x100 MVA)	230/110	TANTRANSCO	100	NOV-23
70	Vyasarpadi 230kV SS (2x100 to 3x100)	230/110	TANTRANSCO	100	FEB-24
	TOTAL STATE SECTOR			1180	
	TOTAL 230 kV			1180	
220 kV					
CENTRAL SECTOR					
71	220/132 kV Transformer (3rd) at Salakati (NERSS-XI)	220/132	PGCIL	100	SEP-23
72	Repl. of 220/132KV 1x50 MVA to 1x160 MVA at Kopili S/stn.	220/132	PGCIL	100	DEC-23
	TOTAL CENTRAL SECTOR			200	
STATE SECTOR					
73	Deoband Saharanpur (New) T/F	220/33	UPPTCL	60	APR-23
74	Babina S/s Jhansi (T/F II)	220/132	UPPTCL	160	APR-23
75	Balrampur S/s (T/F II)	220/132	UPPTCL	160	APR-23
76	Barahua Aug.(160-100)	220/132	UPPTCL	60	APR-23
77	Deoband (Saharanpur) S/s	220/132	UPPTCL	320	APR-23
78	Farrukhabad S/s (T/F II)	220/132	UPPTCL	160	APR-23

SI No	Name of Sub Stations	Voltage Ratio (kV/kV)	Executing Agency	Capacity (MW/MVA)	Month of Completion
1.	2.	3.	4.	5.	6.
79	Moth-II Jhansi T/F-I	220/132	UPPTCL	160	APR-23
80	220kV Narendra S/S (Additional 1X100MVA T/F)	220/110	KPTCL	100	APR-23
81	Bavojipeta	220/33	APTRANSCO	50	APR-23
82	2X63 MVA 220/33kV Kantabada S/s	220/33	OPTCL	126	APR-23
83	Dhamra S/s (T/F -I)	220/132	OPTCL	160	APR-23
84	Shendra s/s (2 x 100MVA 220/132kV ICTs)	220/132	MSETCL	200	MAY-23
85	Charor (Additional T/F)	220/33	HPPTCL	100	MAY-23
86	220 kV S/S G-1. (Aug. of 1x100 MVA T/F with 1x160 MVA)	220/66	PSTCL	60	MAY-23
87	Kolshet s/s	220/110	MSETCL	50	MAY-23
88	Rukhi Syana (New) T/F-II	220/132	UPPTCL	160	MAY-23
89	Bhadrekhi (Orai) (New) T/F-II	220/132	UPPTCL	160	MAY-23
90	Rajgarh (D) Addl. (1x160MVA) X-mer	220/132	MPPTCL	160	MAY-23
91	Nimrani Addl. T/F	220/132	MPPTCL	160	MAY-23
92	Jabalpur 220 kV S/s replacement of 3x40MVA by 1x160MVA X-mer	220/132	MPPTCL	40	MAY-23
93	Chichli Addl. T/F	220/132	MPPTCL	160	MAY-23
94	Aug. of Mehgaon Xmer (200-160)	220/132	MPPTCL	40	MAY-23
95	Safidon s/s	220/132	HVPNL	60	MAY-23
96	Chajipur (Panipat) s/s	220/132	HVPNL	60	MAY-23
97	Charor GIS	220/132	HPPTCL	100	MAY-23
98	Gumma (GIS S/S)	220/66	HPPTCL	100	MAY-23
99	Kidwainagar S/s Kanpur (T/F III)	220/33	UPPTCL	60	MAY-23
100	Pinjore s/s	220/66	HVPNL	100	MAY-23
101	Devannapet LI SS (3x40 2x25 MVA)	220/11	TSTRANSCO	170	JUN-23
102	Piduguralla (Upgradation)	220/132	APTRANSCO	160	JUN-23
103	Indore -SZ 220 kV S/s Replacement of 3x40MVA by 1x160MVA X-mer	220/132	MPPTCL	40	JUN-23
104	Julwaniya S/s (Addl. 160MVA X-mer)	220/132	MPPTCL	160	JUN-23

SI No	Name of Sub Stations	Voltage Ratio (kV/kV)	Executing Agency	Capacity (MW/MVA)	Month of Completion
1.	2.	3.	4.	5.	6.
105	Modipuram-II (T/F II)	220/132	UPPTCL	160	JUN-23
106	33KV features at existing 220/11KV Pattiseema LIS	220/33	APTRANSCO	50	JUN-23
107	Gurgaon Sector-69 GIS (T/F II)	220/33	HVPNL	100	JUN-23
108	220 Kv Substation Salempur	220/66	HVPNL	160	JUN-23
109	220 kV S/S G-1. (Aug. of 2x100 MVA T/F with 2x160 MVA) T/F-II Aug.	220/66	PSTCL	60	JUN-23
110	220 kV GSS Dholpur (160-100)	220/132	RVPNL	60	JUL-23
111	220 kV GSS Sridungargarh (160-100)	220/132	RVPNL	60	JUL-23
112	Raxaul (New) s/s (T/F I)	220/132	BSPTCL	200	JUL-23
113	Kushtagi (3rd T/F)	220/110	KPTCL	100	JUL-23
114	Jangalpur GIS	220/132	WBSETCL	320	JUL-23
115	220/33KV GIS at Ulwe node	220/33	MSETCL	100	JUL-23
116	220 kV GSS Dhorimanna (160-100)	220/132	RVPNL	60	JUL-23
117	Yerandanahalli Replacing 2x100MVA 220/66kV PT by 2x150MVA 220/66kV PT (1st T/F replacement)	220/66	KPTCL	50	JUL-23
118	Ganjbasoda 220KV S/s additional 1x160 MVA X-mer	220/132	MPPTCL	160	AUG-23
119	220kV GSS Halasar	220/132	RVPNL	100	AUG-23
120	220 kV S/s Morta Ghaziabad (New) T/F- II and III	220/33	UPPTCL	120	AUG-23
121	Amargarh (Delina)	220/132	JKPDD	160	AUG-23
122	Itarsi 220 kV S/s replacement of 3x40MVA by 1x160MVA X-mer	220/132	MPPTCL	40	AUG-23
123	Sira (Kallukote)s/s	220/66/11	KPTCL	100	AUG-23
124	220/132/33 KV S/s DataganjBadaun (New) T/F- I and II	220/132	UPPTCL	320	AUG-23
125	Shahabad	220/66	HVPNL	100	AUG-23
126	Anand Nagar Mahrajganj (New) T/F- I and II	220/132/33	UPPTCL	320	SEP-23
127	Udhoke (Addl. T/F)	220/66	PSTCL	100	SEP-23

SI No	Name of Sub Stations	Voltage Ratio (kV/kV)	Executing Agency	Capacity (MW/MVA)	Month of Completion
1.	2.	3.	4.	5.	6.
128	220 kV Kaithal	220/132	HVPNL	60	SEP-23
129	Nagda 220 kV S/s Aug. (200-125)	220/132	MPPTCL	75	SEP-23
130	220 kV S/S Banga (Addl. 100 MVA T/F)	220/132	PSTCL	100	SEP-23
131	220/132/33 kV S/s Mahrajganj (New) T/F- I	220/132	UPPTCL	160	SEP-23
132	Kanduni Sitapur (New) T/F- I	220/132	UPPTCL	200	SEP-23
133	Khatauli S/s (T/F-II)	220/132	UPPTCL	160	SEP-23
134	220/33 kV S/s IITGNL (GIS) GB Nagar	220/33	UPPTCL	60	SEP-23
135	Kirawali Agra (New) T/F- I	220/132	UPPTCL	100	SEP-23
136	220kV Bastara	220/132	HVPNL	160	SEP-23
137	220KV Karamsad	220/66	GETCO	110	OCT-23
138	220 kV Raiwali	220/66	HVPNL	100	OCT-23
139	Srinivasapura s/s	220/66	KPTCL	200	OCT-23
140	Kirawali Agra (New) T/F- II	220/132	UPPTCL	100	OCT-23
141	Bhadohi S/S (T/F - I)	220/132	UPPTCL	200	OCT-23
142	220/33 Bastara s/s	220/33	HVPNL	100	OCT-23
143	220KV Dhuvaran	220/132	GETCO	50	OCT-23
144	220kV GSS Pindwara	220/132	RVPNL	100	OCT-23
145	220 kV Sadla	220/66	GETCO	420	NOV-23
146	220/33 kV S/s YEIDA SEC-18 GB Nagar (New) T/F-I and II	220/33	UPPTCL	120	NOV-23
147	220/33 kV S/s Morta Ghaziabad (New) T/F-I	220/33	UPPTCL	60	NOV-23
148	400kV Waluj Substation (1x50)	220/33	MSETCL	50	NOV-23
149	220 kV Sagwan	220/33	HVPNL	100	NOV-23
150	220/132 kV S/s Moth (New) T/F	220/132	UPPTCL	160	NOV-23
151	220/132/33kV Balimunda	220/132	OPTCL	160	NOV-23
152	Tikamgarh 220 KV S/s Addl 1x160 MVA X-mer s/s	220/132	MPPTCL	160	NOV-23
153	220kV Bastara s/s	220/132	HVPNL	60	NOV-23
154	220 kV Ranavav S/s	220/132	GETCO	400	NOV-23

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1.	2.	3.	4.	5.	6.
155	220KV Bhat (Augmentation of 100 MVA T/F to 160 MVA)	220/66	GETCO	60	DEC-23
156	220/132 kV S/s Bhadohi (New) T/F-II	220/132	UPPTCL	200	DEC-23
157	220/33 kV S/s YEIDA SEC-18 GB Nagar (New) T/F-III	220/33	UPPTCL	60	DEC-23
158	Bamra S/s T/F - II	220/132	OPTCL	160	DEC-23
159	Raxaul (New) s/s (T/F II)	220/132	BSPTCL	200	DEC-23
160	Dumraon (GIS) s/s (2nd T/F)	220/132	BSPTCL	160	DEC-23
161	220/132KV SS at Pampanur Tanda	220/132	APTRANSCO	160	DEC-23
162	220 kV S/S Sahnewal (Augmentation of 100 MVA 220/66 to 160 MVA)	220/66	PSTCL	60	DEC-23
163	220 kV S/S Kharar (Aug. of 1x100 MVA T/F with 1x160 MVA T/F)	220/66	PSTCL	60	DEC-23
164	220 kV S/S Dhandari Kalan-1 (Aug. of 1x100 MVA T/F with 1x160 MVA T/F)	220/66	PSTCL	60	DEC-23
165	Puttenahalli (DG Plant) (Additional 3rd T/F)	220/66	KPTCL	150	DEC-23
166	Choutuppal SS	220/132	TSTRANSCO	160	JAN-24
167	220/132/33 KV GSS Digha (New) (2x200 MVA T/F)	220/132	BSPTCL	400	JAN-24
168	Newtown AA II C (2X160 MVA T/F)	220/132	WBSETCL	320	JAN-24
169	Newtown A A II C (2X160 MVA T/F)	220/33	WBSETCL	200	JAN-24
170	220 kV S/S Talwandi Sabo (Addl. 100 MVA T/F)	220/66	PSTCL	100	JAN-24
171	400 kV Vav (Augmentation of 100 MVA T/F to 160 MVA)	220/66	GETCO	60	JAN-24
172	Mangalpur 220KV S/S (2X100 MVA T/F)	220/132	WBSETCL	200	JAN-24
173	220 kV S/s YEIDA SEC-24 Gr. Noida (New) T/F-I	220/132	UPPTCL	160	JAN-24
174	220 kV S/s Knowledge Park-5 Gr. Noida (New) T/F-I	220/132	UPPTCL	160	JAN-24
175	220 kV S/s Jalpura Gr. Noida (New) T/F-I and II	220/132	UPPTCL	320	JAN-24
176	220/132 kV GIS Sub-Station at Mazra Distt Chamba	220/132	HPPTCL	200	JAN-24

SI No	Name of Sub Stations	Voltage Ratio (kV/kV)	Executing Agency	Capacity (MW/MVA)	Month of Completion
1.	2.	3.	4.	5.	6.
177	220/33kv Pattiseema (T/F-II)	220/33	APTRANSCO	50	JAN-24
178	220/33kv Purusothapatnam (T/F-II)	220/33	APTRANSCO	50	JAN-24
179	33/220 kV 25/31.5 MVA Power Transformer at 220 kV Switchyard of AD Hydro Power Ltd at Prini	220/33	HPPTCL	32	JAN-24
180	220kV METL Dadri Toe	220/33	HVPNL	100	JAN-24
181	220 kV S/s Sikandra Agra (Capacity Augmentation) T/F-III	220/33	UPPTCL	60	JAN-24
182	220kV Boisar-II Substation(Aug.) (1x 200-150)	220/132	MSETCL	50	FEB-24
183	Choutuppal S/S (160 MVA T/F-II)	220/132	TSTRANSCO	160	FEB-24
184	220 kV S/s Khorabar Gorakhpur (New) T/F-I	220/132	UPPTCL	60	FEB-24
185	Naubatpur GIS (Balanced) (220/132 kV T/Fs of 160 MVA)	220/132	BSPTCL	160	FEB-24
186	220 kV S/s Mahoba (Capacity Aug.) (160-100) T/F-I	220/33	UPPTCL	60	FEB-24
187	Yerandanahalli replacing 2x100 MVA 220/66 kv PT by 2x150 MVA 220/66 kv PT(2nd T/F replacement)	220/66	KPTCL	50	FEB-24
188	GIS Harwan	220/33	JKPDD	160	FEB-24
189	220/33kV Khed City s/s (2x50 MVA 220/33kV T/Fs)	220/33	MSETCL	100	FEB-24
	TOTAL STATE SECTOR			15243	
	TOTAL 220 kV			15443	
	GRAND TOTAL			59493	