



भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
विद्युत प्रणाली परियोजना प्रबोधन प्रभाग
Power System Project Monitoring Division

विषय/Subject: Targets for FY 2020-21 in respect of Transmission lines and Substations (both 220 kV and above) - Reg.

To finalize the Targets for FY 2020-21 in respect of Transmission lines and Substations (both 220 kV and above), a meeting was held in CEA with all concerned utilities from Central, States and Private Sector on 27.01.2020 & 28.01.2020 under the Chairmanship of Chairperson and Member (Power System I/C), CEA. Thereafter, Annual Target for 2020-21 were worked out considering detailed inputs received from the utilities and also the actual achievement of Transmission Systems during 2019-20. However, considering lesser achievement of targets during 2019-20 and likely impact of COVID-19 in the achievement of target in year 2020-21 in the transmission sector, the targets for Transmission system for 2020-21 has been reduced proportionally. Accordingly, CEA has finalized the **tentative** transmission system targets for FY 2020-21 as 15,791 Ckm for transmission lines and 63,050 MVA for Sub-station capacity.

The Quarter – wise details of proposed target for FY 2020-21 in respect of transmission sector (220 kV & above transmission lines and substations) is as below:

Transmission System	Q1	Q2	Q3	Q4	Total
Transmission lines (in Ckm)	1,565	5,928	5,142	3,156	15,791
Substations (in MVA)	16,760	23,220	16,670	6,400	63,050

The list of transmission lines and substations planned for FY 2020-21 is enclosed at **Annexure-I & II** respectively.

The above tentative targets would be reviewed soon to assess the effect of COVID-19 with all concerned utilities from Central, States and Private Sector when situation gets normalized, and the most likely achievable targets would be finalized.

Encl: as above.

U M Rao Bhogi
17/4/2020
(U M Rao Bhogi)
Director

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Copy to: PPS to Member (PS)

Transmission Lines (220 kV & above) in Ckm planned for FY 2020-21

Annexure-I

S.No.	Utility / Transmission Line	Circuit Type	Voltage Level (KV)	Length (CKm)	Target Date	Q1	Q2	Q3	Q4	Total
						T	T	T	T	T
CENTRAL SECTOR										
DAMODAR VALLEY CORPORATION (DVC)										
1	MTPS - Ramgarh (Bypassing Gola SS)	D/C	220	207	Oct-20			207		207
2	LILO of Parulia - DTPS at Durgapur steel TPS	D/C	220	13	May-20	13				13
3	Ramgarh - Ranchi (PG) (Bypassing Gola SS)	S/C	220	95	Aug-20		95			95
4	MTPS- Ranchi (PG) (Bypassing Gola SS)	S/C	220	228	Oct-20			228		228
			Total	543		13	95	435	0	543
POWER GRID CORPORATION OF INDIA LIMITED (PGCIL)										
1	800KV Raigarh (HVDC Stn.) - Pugalur (HVDC Stn.) HVDC Bipole link *	Bipole link	800	3531	Aug-20		3531			3531
2	765KV D/C Ranchi (New) - Medinipur line	D/C	765	538	Oct-20			538		538
4	400KV D/C Pugalur HVDC Station - Pugalur line (Q)	D/C	400	100	Jun-20	100				100

5	400KV D/C Pugalur HVDC Station - Arasur line (Q)	D/C	400	118	Jun-20	118				118
6	LILO of 400KV D/C both ckt of Chandithala -Kharagpur at Medinipur	D/C	400	146	Nov-20			146		146
7	LILO of 400KV D/C North Trichur - Cochin line atNorth Trichur HVDC Sta	D/C	400	1	Sep-20		1			1
10	LILO of Both Ckt of Bawana - Mandola at Maharaniabagh	D/C	400	104	Dec-20			104		104
11	Tumkur (Pavagada) PS - Devanahally (KPTCL) line - (Q) (139.30 D/C ar	D/C	400	312	Sep-20		312			312
12	Jigmeling - Alipurdauar line (Q) (India Side)	D/C	400	324	Jan-21				324	324
13	Mohindergarh - Bhiwani line	D/C	400	122	Oct-20			122		122
14	Disconnection of LILO arrangement of Dhauliganga - Bareilly at Pithoragarh and connecting it to Jauljivi	D/C	220	50	Jun-20	50				50
			Total	5346		268	3844	910	324	5346
		Subtotal (A) CS		5889		281	3939	1345	324	5889
STATE SECTOR										
TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED. (APTRANSCO)										
1	Mylavaram-Jammalamdugu QMDC Line	D/C	400	21	Jul-20		21			21
3	Hindupur (400) - Pampanur Tanda (220)(GEC-I)	D/C	220	70	Dec-20			70		70

4	Maradam(from 400KV Maradam)- Pydibhimavaram	D/C	220	46	Jul-20		46			46
			Total	137		0	67	70	0	137
ASSAM ELECTRICITY GRID CORP. LIMITED (AEGCL)										
1	Sonabil to Biswanath Chariali	S/C	220	40	Mar-21				40	40
			Total	40		0	0	0	40	40
BIHAR STATE POWER TRANSMISSION COMPANY LIMITED (BSPTCL)										
1	LILO of (Quad) Barh - Patna at Bakhtiyarpur (New)	D/C	400	10	Jul-20		10			10
2	LILO of Sasaram - Sahupuri at Karmnasa (New)	D/C	220	8	Jul-20		8			8
3	LILO of both Purnea(PG) - Begusarai at Khagaria (New)	D/C	220	14	Jul-20		14			14
4	Muzaffarpur (PG) - Gouraul	D/C	220	20	Jul-20		20			20
			Total	52		0	52	0	0	52
CHHATTISGARH STATE POWER TRANSMISSION CO. LTD. (CSPTCL)										
1	LILO of Korba (E) - Siltara at DSPM	D/C	220	3	Jul-20		3			3
2	Bemetara - Mungeli line 2nd circuit	S/C	220	40	Jul-20		40			40
3	Gurur - Kurud (Bangoli)	D/C	220	74	Jan-21				74	74

			Total	117		0	43	0	74	117
DELHI TRANSCO LIMITED (DTL)										
1	IP-Park Street-Electric Lane (Cable)	S/C	220	5	Dec-20			5		5
2	Shalimarbagh - Sanjay Gandhi Transport Nagar	D/C	220	8	Dec-20			8		8
			Total	13		0	0	13	0	13
GUJARAT ENERGY TRANSMISSION CORP. LIMITED (GETCO)										
3	400kV D/C Hadala-Shapar line with Twin AL-59 conductor	D/C	400	124	Feb-21				124	124
4	220kV D/C Halvad - Sadla line with AL-59 conductor	D/C	220	76	Feb-21				76	76
5	220KV D/C BHOGAT - BHATIYA LINE	D/C	220	26	Sep-20		26			26
6	LILO OF ONE CIRCUIT OF 220KV D/C UKAI-ACHHALIYA LINE NO.3 AT 220KV VIRPOR S/S (PACKAGE-2)	D/C	220	27	Dec-20			27		27
7	LILO OF BOTH CKT. OF 220KV D/C OTHA - SAGAPARA LINE AT 220KV TALAJA S/S.	D/C	220	21	Dec-20			21		21
8	LILO OF JETPUR - SARDARGADH LINE AT 220KV SHAPUR S/S.	D/C	220	12	Sep-20		12			12
9	LILO TO 220KV <u>MAGLANA</u> S/S FROM 220KV VALLABHIPUR - VARTEJ S/C LINE	D/C	220	10	Sep-20		10			10
			Total	296		0	48	48	200	296
HARYANA VIDYUT PRASARAN NIGAM LIMITED (HVPNL)										

1	Panchkula (PGCIL)- Panchkula Sector 32	D/C	220	40	Jul-20		40			40
2	Bhiwani - Isharwal	D/C	220	100	Feb-21				100	100
3	Panchgaon 400 kV - Panchgaon 220 kV	D/C	220	1	Nov-20			1		1
4	Dhanonda- Deroli Ahir	D/C	220	56	Dec-20			56		56
5	LILO of 220kV D/C Sector-72- Rangla Raipur at 220kV Roj-Ka-Meo	D/C	220	7	Nov-20			7		7
6	PGCIL Bhadson - Salempur	D/C	220	12	Apr-20	12				12
7	Deroli Ahir - Narnaul	D/C	220	26	Sep-20		26			26
			Total	242		12	66	64	100	242
HIMACHAL PRADESH POWER TRANSMISSION CORP. LTD. (HPPTCL)										
1	Bajoli Holi - Lahal	D/C	220	36	Jul-20		36			36
2	Dehan - Hamirpur	D/C	220	110	Feb-21				110	110
			Total	146		0	36	0	110	146
J&K POWER DEVELOPMENT DEPARTMENT (JKPDD)										
1	New Wanpoh- Mirbazar	D/C	220	10	Sep-20		10			10
2	LILO of 220 kV D/C Wagoora-Mirbazar line at Lassipora	D/C	220	11	Sep-20		11			11

3	LILO of Thein-Hiranagar Transmission line at Kathua-II (Ghatti)	D/C	220	24	Dec-20			24		24
			Total	45		0	21	24	0	45
JHARKHAND URJA SANCHARAN NIGAM LIMITED (JUSNL)										
1	TTPS - GOVINDPUR TL	D/C	220	181	Nov-20			181		181
2	Latehar (JUSNL) - PTPS TL	D/C	400	220	Jul-20		220			220
3	Chatra – PBCMP (Barkagaon) TL	D/C	220	117	Dec-20			117		117
4	LILO of 220kV D/C Govindpur – TTPS TL at Jainamore	D/C	220	70	Jul-20		70			70
5	Quad Essar (Latehar) - Latehar (JUSNL) TL	D/C	400	81	Dec-20			81		81
6	Chaibasa – Gua TL	D/C	220	168	Oct-20			168		168
			Total	837		0	290	547	0	837
KARNATAKA POWER TRANSMISSION CORP. LIMITED (KPTCL)										
1	LILO of somanahalli - Kolar at Mylasandra (Near electronic city)	D/C	400	1	Jun-20	1				1
2	Devanhalli -(Hardware Park 2nd ckt) and Doddaballapura (2nd ckt)	M/C	220	113	Nov-20			113		113
3	Melasandra (New electronic city) - Yerandanahalli	M/C	220	19	Jun-20	19				19
4	Jagalur (hirimallandnahole) - Chitradurga	M/C	220	71	Sep-20		71			71

5	HVDC Kolar - T'Gollahali (Thimmasandra)	D/C	220	54	Aug-20		54			54
			Total	258		20	125	113	0	258
KERALA STATE ELECTRICITY BOARD (KSEB)										
1	LILO of Arekode-Kaniyambetta to Kunnamngalam	D/C	220	15	Jul-20		15			15
2	LILO of Lower Periyar- Madakkathara to Chalakkudy Chalakudy	D/C	220	24	Apr-20	24				24
3	Kattakkada-Vizhinjam	D/C	220	44	Apr-20	44				44
4	Mylatti-Vidyanagar	D/C	220	23	Dec-20			23		23
5	220kV Brahmapuram-Kaloor	D/C	220	23	Apr-20	23				23
6	LILO of 220kV Kaniampetta-Areakode at Kunnamangalam	D/C	220	15	Jul-20		15			15
			Total	144		91	30	23	0	144
M.P. POWER TRANSMISSION CORPORATION LIMITED (MPPTCL)										
1	Ashta (400kv) S/s - Ujjain (400kv) S/s	DCDS	400	179	Feb-21				179	179
2	Indore(PGCIL) - Ujjain 400kV S/s	DCDS	400	91	Nov-20			91		91
3	Nagda (400kv) S/s - Mandsaur 400Kv S/s	DCDS	400	137	Mar-21				137	137
4	Nagda (400kv) S/s - Ujjain (400kv) S/s	DCDS	400	53	Sep-20		53			53

5	LILO of one ckt of 400kv Khandwa (PGCIL) - Rajgarh (PGCIL) line at Chhegaon 400kv S/s	DCDS	400	20	Dec-20			20		20
6	Dhar 220kV S/s - Kanwan 220kV S/s	DCDS	220	63	Jan-21				63	63
7	Shujalpur-Narsinggarh 220kV DCSS line (Initially charged on 132kV)	DCSS	220	51	Jan-21				51	51
8	Julwaniya 400-Kukshi 220kV line	DCDS	220	126	Mar-21				126	126
9	Mandsaur 400kV S/s - Marut Shakti Pool 220kV S/s	DCDS	220	92	Oct-20			92		92
10	LILO both circuits of Nagda - Neemuch 220Kv line at Mandsaur 400Kv S/s	DCDS	220	97	Dec-20			97		97
11	LILO both circuits of Ujjain - Nagda 220 Kv line at Ujjain 400KV S/s	DCDS	220	40	Apr-20	40				40
13	Badod 220kV S/s - Nalkheda (Susner) 220kV S/s	DCDS	220	104	Dec-20			104		104
14	Ujjain 400kV S/s - Nalkheda 220kV S/s	DCDS	220	160	Feb-21				160	160
15	Chhatarpur - Tikamgarh 220 KV Line	DCSS	220	90	Dec-20			90		90
17	Rewa UMSP- Sidhi 220Kv DCDS line	DCDS	220	100	Feb-21				100	100
			Total	1403		40	53	494	816	1403
MAHARASHTRA STATE ELEC. TRANSMISSION COMPANY LTD. (MSETCL)										
1	220 kV DC line from 400 kV kumbhargaoon (Nanded) - Kurunda	DC	220	121	Feb-21				121	121
2	LILO on both ckt of Uran-Kharghar line for 220 kV Ulwe Node	DC	220	18	Dec-20			18		18

3	220 kV LILO on 220 kV Nalasopara- Boisar line at Palghar	DC	220	1	Jun-20	1				1
5	220KV Koradi-II to Uppalwadi UG and O/Hline	DC	220	15	Dec-20			15		15
6	220 kV LILO on Kolshet-Wada & Padghe-Wada line at 400kV Kudus S/s	DC	220	32	Dec-20			32		32
8	2nd ckt stringing of 220 kV Valve - Jamde SCDC line	SC	220	13	Jun-20	13				13
10	220kV D/C line from Vishwind- Bhenda	DC	220	84	Dec-20			84		84
11	LILO of Bhusawal - Aurangabad ckt-II at Aurangabad (Thaptitanda)	D/C	400	126	Feb-21				126	126
12	220 kV LILO on Kolshet-Wada & Padghe-Wada line at 400kV Kudus S/s	D/C	220	31	Dec-20			31		31
13	LILO on 220kV Mhaisal-Jath at 400kV Alkud S/S	D/C	220	45	Dec-20			45		45
			Total	486		14	0	225	247	486
ELECTRICITY DEPARTMENT, GOVT. OF MANIPUR(ED, Manipur)										
1	Yurembam ss (PG) - Thoubal ss line	D/C	400	90	Jul-20		90			90
			Total	90		0	90	0	0	90
ORISSA POWER TRANSMISSION CORPORATION LTD. (OPTCL)										
1	Pandiabil-Pratapsasan	D/C	220	58	Sep-20		58			58
2	Bolangir-Kesinga Line	D/C	220	170	Jan-21				170	170

3	LILO of one ckt of Rengali-Tarkera line at Deogarh	S/C	220	24	Jul-20		24			24
			Total	252		0	82	0	170	252
POWER TRANSMISSION CORP. OF UTTARAKHAND LTD. (PTCUL)										
3	LILO of Dhauliganga - Pithoragarh (PGCIL) line at proposed 220/33 kV S/s Baram (Jauljivi)	D/C	220	22	May-20	22				22
4	220 kV Lakhwar to Dehradun Line and its LILO at Vyasi	D/C	220	71	Feb-21				71	71
5	LILO of 220 kV Kashipur - Pantnagar line at proposed 220/33 kV substation Jaffarpur.	D/C	220	8	May-20	8				8
			Total	101		30	0	0	71	101
PUNJAB STATE TRANSMISSION CORPORATION LIMITED (PSTCL)										
1	LILO of 2nd ckt. Of PGCIL Jalandhar-Kotla jangan (Nakodar) line at Kartarpur	D/C	220	1	Jun-20	1				1
2	LILO of Himmatpura-Jagraon line at Ajitwal	D/C	220	3	Dec-20			3		3
3	Makhu-Algon	D/C	220	101	Jul-20		101			101
4	Malout-Abohar	S/C on D/C	220	30	Dec-20			30		30
5	LILO of 220 KV Jadla - Jamsher DC Line at 220 KV S/Stn. Banga.	D/C	220	11	Jun-20	11				11
6	220 KV DC Line from 220 KV Gaunsgarh to 220 KV Ladhowal .	D/C	220	34	Dec-20			34		34
			Total	180		12	101	67	0	180

RAJASTHAN VIDYUT PRASARAN NIGAM LIMITED (RVPNL)									
1	Ramgarh -Bhadla	D/C	400	320	Oct-20			320	320
2	LILO of one ckt. Of 400kV D/C Akal- Jodhpur line at 400 kV GSS Jaisalmer-2	D/C	400	7	Jun-20	7			7
3	220 kV D/C from 220 kV GSS Basni (Jodhpur) to 220 kV GSS NPH (U/C), Jodhpur	D/C	220	3	Jun-20	3			3
4	220kV D/C Chhatargarh – Gajner line	D/C	220	167	Jan-21			167	167
5	LILO of 220 kV S/C Jhalawar- Chhabra line at 220kV GSS Aklera (U/C)	D/C	220	97	Mar-21			97	97
6	220kV D/C Akal (400kV)- Jaisalmer-2 (400kV) line	D/C	220	112	Nov-20			112	112
7	LILO of one ckt of existing 220kV D/C STPS - Ratangarh line at 220kV Rawatsar.	D/C	220	85	Oct-20			85	85
			Total	791		10	0	517	791
TAMILNADU TRANSMISSION CORPORATION LTD. (TANTRANSCO)									
1	Ariyalur - Thiruvallam	D/C	765	347	Dec-20			347	347
2	North Chennai Pooling Station - Ariyalur	D/C	765	542	Nov-20			542	542
3	LILO of Pugalur - Kalivanthapattu Line at Ariyalur	2xDC	400	15	Sep-20		15		15
4	LILO of Thappagundu - Anaikadavu at Udumalpet (PGCIL SS)	D/C	400	40	Dec-20			40	40
5	LILO of Pasumalai - Alagarkoil feeder to the proposed Samayanallur	D/C	230	12	Jun-20	12			12

6	UG Cable from Basin Bridge to TNEB Head Quarters	S/C	230	7	Jun-20	7				7
7	Palavady to Thirupathur	D/C	230	75	Jun-20	75				75
			Total	1038		94	15	929	0	1038
TRANSMISSION CORPORATION OF TELANGANA (TSTRANSCO)										
1	Kethiredypally SS - AP-41 line (twin HTLS on Quad Conventional towers	D/C	400	53	Jun-20	53				53
2	400KVSS Dindi - existing 220 kV Kondamallepally SubStation	D/C	220	70	Jul-20		70			70
3	400/220KV SS Dichpally to proposed 220/132 KV SS Banswada in Nizar	D/C	220	168	Oct-20			168		168
4	400/220 KV SS Nirmal - proposed 220/132KV SS Indravelly (Utnoor) in	D/C	220	204	Jan-21				204	204
5	400/220KVSS Narsapur - proposed 220 kV Bowrampet SubStation	D/C	220	136	Mar-21				136	136
			Total	631		53	70	168	340	631
U.P. POWER TRANSMISSION CORPORATION LTD. (UPPTCL)										
1	LILO of One ckt 220 kV Laitpur TPS -Dunara DC line at Babina(220)	D/C	220	15	Jun-20	15				15
2	220kV Greater Noida(765) - Integrated township Gr. Noida line	SC	220	36	Jun-20	36				36
3	LILO of 220 kV Baraut(220)- Shamli SC line at Nirpura	D/C	220	30	Dec-20			30		30
4	220 kV Shahjahanpur PG (400)- Azizpur DC line	D/C	220	49	Dec-20			49		49

5	400kV LILO of IbrahimPatti(PGCIL) - Kasaramau(Mau) Line at Rasra	D/C	400	74	Dec-20			74		74
6	LILO of 220 Kv Rasra(220)- Gazipur SC line at Rasra	D/C	220	26	Dec-20			26		26
7	220 Kv Rasra(400)- Bhadaura(Gazipur) DC line	D/C	220	108	Mar-21				108	108
8	LILO of ckt-I of 400 kV DC Kursi Rd PG- Unnao line at Hardoi Rd(Jehata)	D/C	400	34	Nov-20			34		34
9	LILO of ckt-II of 400 kV DC Kursi Rd PG- Unnao line at Hardoi Rd(Jehata)	D/C	220	25	Nov-20			25		25
10	220 kV Jeheta (400)- Hardoi Rd (220) DC Interconnector	D/C	220	19	Nov-20			19		19
11	LILO of One ckt 220 kV Sohawal (PG) -New Tanda DC line at Ayodhya(220)	D/C	220	27	Nov-20			27		27
12	220 kV Badhaikalan(Muzaffarnagar) - Sharnli(400) DC line	D/C	220	66	Nov-20			66		66
13	LILO of 220 kV Muzaffarnagar(400) - Nanauta line at Badhaikalan	D/C	220	8	Sep-20		8			8
14	LILO of 220 KV Chhata(Mathura)-Manth(400) DC Line One CKT at Vrindawan	D/C	220	46	Sep-20		46			46
16	LILO of 220 kV C.B. Ganj(220)- Budaun(220) SC line	D/C	220	2	Nov-20			2		2
17	LILO of 220 kV Pura, Chandausi (220)- Budaun(220) SC line @ Budaun(400) S/s	D/C	220	36	Nov-20			36		36
			Total	601		51	54	388	108	601
WEST BENGAL STATE ELECTRICITY TRANSMISSION CO. LIMITED (WBSETCL)										
1	Subhasgram (PG) - Baruipur 220 kV D/C	D/C	220	64	Nov-20			64		64

			Total	64		0	0	64	0	64
			Subtotal (B) SS	7964		427	1243	3754	2540	7964
PRIVATE SECTOR										
Adani Transmission Ltd.										
1	765kV Ghatampur TPS-Agra (UP) S/C line(GTL) (including 189 MVAR line reactor at Agra end).	S/C	765	229	Sep-20		229			229
2	765kV Agra (UP)-Greater Noida (WUPPTCL) S/C line(GTL) (Including 240 MVAR Line reactor at Agra end).	S/C	765	160	Sep-20		160			160
3	765 KV Fatehgarh-Bhadla Transmission Line(FBTL)	D/C	765	292	Jan-21				292	292
4	400kV M/C portion of North Karanpura - Chandwa Line from NKSTPP - Common point (quad moose conductor)(NKTL)	M/C	400	52	Jun-20	52				52
5	400kV D/C portion of North Karanpura - Chandwa Line from Common point to Chandwa Pooling Station (quad moose conductor).(NKTL)	D/C	400	50	Jun-20	50				50
6	Both Circuit LILO of Ranchi-Maithon 400kV D/C line (twin moose conductor)(NKTL)	D/C	400	4	Oct-20			4		4
9	LILO of 220 kV C.B.Ganj - Badaun S/C line at Badaun(OBTL)	S/C	220	2	Nov-20			2		2
10	LILO of 220 kV Chandausi - Badaun S/C line at Badaun(OBTL)	S/C	220	37	Nov-20			37		37
			Total	826		102	389	43	292	826
ESSEL INFRAPROJECTS LIMITED										
1	Babai (RRVNL) - Bhiwani (PG)	D/C	400	221	Jun-20	221				221

			Total	221		221	0	0	0	221
STERLITE GRID LTD. (SGL)										
1	Khandwa Pool – Dhule Transmission Line	D/C	765	379	May-20	379				379
2	Surajmaninagar - P. K. Bari Transmission Line	D/C	400	155	Apr-20	155				155
3	Silchar (PG) – Misa (PG) Transmission Line	D/C	400	357	Jul-20		357			357
			Total	891		534	357	0	0	891
		Subtotal (C) PS		1938		857	746	43	292	1938
		Grand Total		15791		1565	5928	5142	3156	15791

Transformation Capacity of Substations (220 kV & above) in MVA Planned for FY 2020-21

Annexure-II

S.No	Utility / Substation Line	Voltage Ratio (KV)	Transformation Capacity (MVA)	Target Date	Q1	Q2	Q3	Q4	Total
					T	T	T	T	T
CENTRAL SECTOR									
<u>Damodar Valley Corporation (DVC)</u>									
1	Dhanbad (2nd Auto-Xmer)	220/132	160	Aug-20		160			160
2	DSTPS ICT-II S/s	400/220	315	Apr-20	315				315
3	Burdwan GIS along with associated line bays at Parulia S/s	220/132	320	Aug-20		320			320
		Total	795		315	480	0	0	795
<u>POWER GRID CORPORATION OF INDIA LIMITED (PGCIL)</u>									
1	Maithon S/Stn.	400/220	500	May-20	500				500
2	800KV HVDC Raigarh & Pugalur Station with 6000 MW HVDC Terminal*	800	6000	Aug-20		6000			6000
3	Medinipur Sub station (7x500)	765/400	3000	Jul-20		3000			3000
5	North Trichur Substation	400/220	630	Sep-20		630			630
6	Bhuj S/S	765/400	1500	Oct-20			1500		1500
7	Bhuj S/S	400/220	1500	Mar-21				1500	1500
8	Fatehpur	400/220	500	Jan-21				500	500
9	Saharanpur	400/220	500	Jan-21				500	500

10	Bhadla	400/220	1000	Jan-21				1000	1000
11	New Mariani Sub station	400/220	1000	Mar-21				1000	1000
12	Jeerat (New) Sub station (3x500)	765/400	1500	Feb-21				1500	1500
13	Extn at Jeypore s/s	400/220	630	Jun-20	630				630
14	Extn at New Siliguri s/s (3rd ICT)	400/220	315	May-20	315				315
15	Jauljivi (GIS) s/s	400/220	630	Jul-20		630			630
16	Repl of 400/220kV Malda S/s (3x315-2x500)	400/220	370	Jun-20	370				370
17	Meerut (Aug.)	765/400	1500	May-20	1500				1500
18	Dwarka -I (GIS) S/S	400/220	2000	Jun-20	2000				2000
		Total	23075		5315	10260	1500	6000	23075
		Subtotal (A) CS	23870		5630	10740	1500	6000	23870
STATE SECTOR									
TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED. (APTRANSCO)									
1	Aug. at Hindupur	400/220	315	May-20	315				315
3	Aug.at Kalpaka -4th (500MVA)	400/220	500	May-20	500				500
4	Aug. at Manubolu (Nellore)	400/220	500	May-20	500				500
5	Mylavaram (GEC-II)	400/220	945	Jul-20		945			945
6	Betamcherla(GEC-I)	220/132/33	320	Jul-20		320			320

7	Pydibhimavaram	220/132	300	Jul-20		300			300
		Total	2880		1315	1565	0	0	2880
BIHAR STATE POWER TRANSMISSION COMPANY LIMITED (BSPTCL)									
1	Mokama S/s	220/132	420	Aug-20		420			420
2	Dumraon (GIS) s/s	220/132	480	Aug-20		480			480
		Total	900		0	900	0	0	900
CHHATTISGARH STATE POWER TRANSMISSION CO. LTD. (CSPTCL)									
1	Kurud (Dhamtari) S/s	400/220	630	May-20	630				630
		Total	630		630	0	0	0	630
DELHI TRANSCO LIMITED (DTL)									
1	Patparganj (Addl.)	220/33	100	Jul-20		100			100
2	Sanjay Gandhi Transport Nagar (SGTN) GIS	220/66	320	Jul-20		320			320
		Total	420		0	420	0	0	420
GUJARAT ENERGY TRANSMISSION CORP. LIMITED (GETCO)									
1	Bhachunda	400/220	500	Jul-20		500			500
2	Babara	220/66	320	Jul-20		320			320
3	Kalawad	220/66	160	Jul-20		160			160
		Total	980		0	980	0	0	980

HARYANA VIDYUT PRASARAN NIGAM LIMITED (HVPNL)									
1	Bakana	220/66	320	May-20	320				320
2	Rajokheri	220/66	320	Apr-20	320				320
3	Roj-Ka-Meo	220/66	320	Oct-20			320		320
4	Roj-Ka-Meo	220/33	100	Oct-20			100		100
5	Faridabad Sector 78 GIS	220/33	200	Jun-20	200				200
6	Faridabad Sector 58 GIS	220/66	320	May-20	320				320
7	Gurgaon Sector-107 GIS	220/33	200	Nov-20			200		200
8	Gurgaon Sector-69 GIS	220/33	200	May-20	200				200
		Total	1980		1360	0	620	0	1980
HIMACHAL PRADESH POWER TRANSMISSION CORP. LTD. (HPPTCL)									
1	Sunda	220/132	200	Dec-20			200		200
2	Sunda (additional transformer)	220/66	100	Dec-20			100		100
3	Charor GIS	220/132	100	Dec-20			100		100
4	Dehan	220/132	200	Dec-20			200		200
		Total	600		0	0	600	0	600
J&K POWER DEVELOPMENT DEPARTMENT (JKPDD)									
1	Lassipora (GIS)	220/33	160	Dec-20			160		160

2	Delina (Aug.)	220/132	160	Dec-20			160		160
3	Kathua-II (Ghatti)	220/66	160	Dec-20			160		160
		Total	480		0	0	480	0	480
JHARKHAND URJA SANCHARAN NIGAM LIMITED (JUSNL)									
1	Jainamore GSS	220/132/33	400	Jun-20	400				400
2	Latehar GSS (PGCIL)	400/220/132	930	Jun-20	930				930
3	Lohardaga GSS (PGCIL)	220/132	300	Apr-20	300				300
4	Patratu GSS (PGCIL)	400/220	630	Apr-20	630				630
		Total	2260		2260	0	0	0	2260
KERALA STATE ELECTRICITY BOARD (KSEB)									
1	Aluva	220/110	400	Apr-20	400				400
2	Chithirapuram	220/66	200	Sep-20		200			200
3	Chalakudy	220/110	200	Apr-20	200				200
4	Kunnamangalam	220/110	200	May-20	200				200
		Total	1000		800	200	0	0	1000
KARNATAKA POWER TRANSMISSION CORP. LIMITED (KPTCL)									
1	Mughalkod	220/110	200	Dec-20			200		200
2	Heggunje (Mandarathi)	220/110	200	Sep-20		200			200

3	Channagiri (Nallur/Benkikere)	220/66	200	Sep-20		200			200
4	Hosdurga (Madure)_line1 to Benkikere	220/66	200	Sep-20		200			200
5	Sira	220/66	200	Dec-20			200		200
6	Mylasandra (Near Electronic city)	400/220	1500	Oct-20			1500		1500
7	T.Gollahalli (Thimmasandra)	220/66	200	Sep-20		200			200
		Total	2700		0	800	1900	0	2700
M.P. POWER TRANSMISSION CORPORATION LIMITED (MPPTCL)									
1	400/220 KV New Sub-station at Mandsaur(Sitamau)	400/220	630	Dec-20			630		630
2	400KV New Sub-station at Ujjain	400/220	630	Oct-20			630		630
3	Pithampur 400kV S/s, Addl. X-mer	400/220	315	Oct-20			315		315
4	Kukshi 220/132kV S/s	220/132	160	Dec-20			160		160
5	Gorabazar 220/132 KV S/s	220/132	160	Apr-20	160				160
6	Nalkheda 220/132 kV S/s	220/132	320	Dec-20			320		320
7	Udaipura 220/132 KV S/s (Upgradation)	220/132	160	Sep-20		160			160
8	Vidisha 220KV, Addl. X-mer	220/132	160	Apr-20	160				160
9	Sukha 220 (Jabalpur) Addl. 220/33kV Transformer	220/33	100	Sep-20		100			100
10	Barwaha 220Kv S/s, Addl. X-mer	220/132	160	Jun-20	160				160
11	Katni 400 kV S/S, Addl. X-mer	220/132	160	Apr-20	160				160

		Total	2955		640	260	2055	0	2955
MAHARASHTRA STATE ELEC. TRANSMISSION COMPANY LTD. (MSETCL)									
1	Naghibid Substation	220/33	125	Dec-20			125		125
2	GIS Ulwe node	220/22	100	Dec-20			100		100
3	Amrapur (Pathardi)	220/132	200	Jun-20	200				200
4	Narangwadi S/S	220/132	250	Dec-20			250		250
5	Uppalwadi S/stn	220/33	250	Dec-20			250		250
		Total	925		200	0	725	0	925
ELECTRICITY DEPARTMENT, GOVT. OF MANIPUR(ED, Manipur)									
1	Thoubal s/s	400/132	315	May-20					
		Total	315		315	0	0	0	315
ODISHA POWER TRANSMISSION CORPORATION LTD. (OPTCL)									
1	3rd ICT at Duburi	400/220	315	Sep-20		315			315
2	Goda	220/132/33	320	Jul-20		320			320
3	Joda	220/132/33	160	Jul-20		160			160
4	Deogarh	220/33	40	Jul-20		40			40
5	Laphripara	220/33	40	Jul-20		40			40
6	Meramundali B	400/220	500	Dec-20			500		500

7	Gunupur	220/132	160	Dec-20			160		160
		Total	1535		0	875	660	0	1535
PUNJAB STATE TRANSMISSION CORPORATION LIMITED (PSTCL)									
1	Makhu (Addl. T/F)	400/220	500	Nov-20			500		500
2	Tibber (Addl. T/F)	220/66	100	Aug-20		100			100
3	Maur (Addl. T/F)	220/66	100	Apr-20	100				100
4	Baja Khanna (Aug. of 100 MVA T/F with 160 MVA T/F)	220/66	60	Apr-20	60				60
5	Banga (Upgradation of 132 KV S/Strn. to 220 KV S/Strn.)	220/132	100	Apr-20	100				100
		Total	860		260	100	500	0	860
POWER TRANSMISSION CORP. OF UTTARAKHAND LTD. (PTCUL)									
1	220 KV GIS Substation Baram	220/33	50	May-20	50				50
		Total	50		50	0	0	0	50
RAJASTHAN VIDYUT PRASARAN NIGAM LIMITED (RVPNL)									
1	NPH (Distt. Jodhpur),	220/132	320	Jul-20		320			320
2	Chhatargarh (Distt. Bikaner)	220/132	160	Sep-20		160			160
3	Aklera (Distt. Jhalawar)	220/132	160	Oct-20			160		160
		Total	640		0	480	160	0	640
TAMILNADU TRANSMISSION CORPORATION LTD. (TANTRANSCO)									

1	North Chennai Pooling Station (GIS) (2X1500)	765/400	3000	Nov-20			3000		3000
2	Ariyalur	765/400	3000	Sep-20		3000			3000
3	Samayanallur S/S	230/110	200	Jun-20	200				200
4	TNEB Head Quarters	230/33	200	Jun-20	200				200
		Total	6400		400	3000	3000	0	6400

TRANSMISSION CORPORATION OF TELANGANA (TSTRANSCO)

1	Bowrampet SS	220/132	320	Dec-20			320		320
2	Indravelly (Utnoor) SS with Automation System.	220/132	200	Oct-20			200		200
3	Rayadurg GIS Substation	400/220/132	1000	Jun-20	1000				1000
4	Banswada SS with automation system	220/132	200	Jul-20		200			200
		Total	1720		1000	200	520	0	1720

U.P. POWER TRANSMISSION CORPORATION LTD. (UPPTCL)

1	Babina S/s, Jhansi	220/132	320	Jun-20	320				320
2	Sangipur S/s, Pratapgarh	220/132	320	Jun-20	320				320
3	Integrated Township Noida S/s	220/33	240	Aug-20		240			240
4	Azizpur S/s, Shahjahanpur	220/132	320	Oct-20			320		320
5	Nirpura S/s, Baghpat	220/132	320	Oct-20			320		320
6	Jehta (Hardoi Road) S/s, Lucknow	400/220	1000	Sep-20		1000			1000

7	Jehta (Hardoi Road) S/s, Lucknow	220/132	400	Oct-20			400		400
8	Badaikala S/s, Muzaffarnagar	220/132	320	Oct-20			320		320
9	Vrindawan S/s	220/132	320	Oct-20			320		320
15	Basti GIS	400/220	1400	Sep-20		1400			1400
16	Phoolbagh S/s, Kanpur	220/33	60	Sep-20		60			60
		Total	5020		640	2700	1680	0	5020
WEST BENGAL STATE ELECTRICITY TRANSMISSION CO. LIMITED (WBSETCL)									
1	Baruipur GIS	220/132	320	Nov-20			320		320
2	Belmuri GIS	220/132	320	Feb-21				320	320
3	KLC (Augmentation)	220/132	80	Jan-21				80	80
		Total	720		0	0	320	400	720
		Subtotal (B) SS	35970		9870	12480	13220	400	35970
PRIVATE SECTOR									
ADANI TRANSMISSION LTD.									
1	Dhanbad new SS(NKTL)	400/220	1000	Oct-20			1000		1000
2	Badaun GIS(OBTL)	400/220/132	950	Nov-20			950		950
		Total	1950		0	0	1950	0	1950
Sterlite Power Transmission Ltd.									

1	Surajmani Nagar S/s (NERSS)	400/132	630	Apr-20	630				630
2	P.K. Bari S/s (NERSS)	400/132	630	Apr-20	630				630
		Total	1260		1260	0	0	0	1260
		Subtotal (C) PS	3210		1260	0	1950	0	3210
	GRAND TOTAL (A+B+C)		63050		16760	23220	16670	6400	63050