



ISO: 9001-2008

**Monthly Progress report of Cross border/ Inter-Regional/
Inter–State Transmission Schemes
(As on 29.02.2020)
Government of India
Ministry of Power
Central Electricity Authority
New Delhi**

(Published in fulfilment of CEA's obligation under section 73(i) & (j) of the Electricity Act, 2003)

PART- I: पारेषण लाइंस TRANSMISSION LINES

Sl. No.	Name of the Trans line	Length (CKM) in Indian teritary	Executing Agency	Progress of Construction				Completion Target		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
A.	CROSS BORDER									
1	India-Nepal									
	400 kV DC Muzzafarpur (I) - Dhalkebar (N) by CPTC/NEA	173	CPTC/NEA					Dec'19		Work in Progress for terminal station & for charging at 400kV. (Charged at 220kV since Oct 2018) 1. 400 kV Dhalkebar substation Contractor : ABB India Ltd., India LoA date : 8th December 2017 Scheduled Completion : 31st December 2019 (24 months from effective date) • 90% Engineering approved • 30% Civil works completed • 10% Material Supplied at site 2. 400 kV Muzaffarpur substation Contractor : KEI Industries Limited NoA date : 28th December 2018 Scheduled Completion : 28th December 2019 (12 months from NoA)
	400 kV DC Gorakhpur (New) (I) - New Butwal (N) (Planned)	240	Planned							
2	India-Bhutan									

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	400KV D/C Jigmeling - Alipurduar line (Q) (india Side) *	326	PGCIL	466	391	376	144		May'20	Line passing through buffer zone of Tiger reserve area. Wildlife proposal cleared in NBWL. Stage-I issued on 18.10.18. Working permission received in Feb'19. Alternate arrangements made for evacuation of power (contingency through Punatsangchu ATS).Progress is delayed due to NCLT proceeding against contractor M/s C&C.
3	India-Bangladesh									
	400 kV DC Surajmaninagar (I) - North Comilla (B) by PGCIL / BPDB	54	PGCIL					Jul'21		Presently charged at 132kV. The work at Terminal stations is in progress for charging at 400kV along with commissioning of 1X500MW HVDC Back-to-Back terminal at Comilla (North). 2 nos. 400kV line bays at Surajmaninagar S/s for termination of Surajmaninagar- North Comilla 400kV D/C line is being constructed by Sterlite.
	400 kV DC Baharampura (I) - Bheramara (B)-2nd link by PGCIL / BPDB	174	PGCIL	245	213	169	66	Feb'20		Completion schedule - 24 months from IA signed with B'desh. Award placed in Mar'18.
B	MULTI REGIONAL SYSTEMS (IR Lines*)									
1	North East / Northern Western Interconnector -I Project	5103	PGCIL	6563	6310	6078	4519	Mar'22	Mar'22	

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	Part-A : North East - Northern/ Western Interconnector -I	3697		4668	4668	4668	3697	Sep'16	Sep'16	Part- A, Completed.
	+/- 800KV HVDC Biswanath Chariyali - Agra Bi-pole line *	3506		4369	4369	4369	3506		Oct'15	Line completed & Commissioned in Oct'15 alongwith Pole-I. Pole-II commissioned in Sep'16.
	400KV Balipara - Biswanath Chariyali line	114		165	165	165	114		Sep'15	Line completed in Sep'15 & commissioned on 01.10.15.
	LILO of Ranganadi - Balipara 400KV D/C line at Biswanath Chariyali (Pooling Point)	52		77	77	77	52		Oct'15	Line commissioned on 30.10.15.
	132KV D/C Biswanath Chariyali - Biswanath Chariyali (AEGCL) line	25		57	57	57	25		Sep'15	Line completed in Sep'15 & commissioned on 01.10.15.
	Part-B : Transmission System for immediate evacuation of Power from Kameng HEP	723		986	986	986	723	Mar'18	Mar'18	Part- B, Completed.
	400KV D/C Kameng - Balipara line	114		151	151	151	114		Mar'18	Line commissioned in Mar'18.
	400KV D/C Balipara - Bongaigaon line (Quad)	609		835	835	835	609		Oct'14	Line completed in Oct'14 & commissioned on 02.11.14.
	Part-C : Transmission System for immediate evacuation of Power from Lower Subhansiri HEP	683		909	656	424	99	Mar'22	Mar'22	Part- C, Completion matching with Lower Subhansiri (Generation sch. uncertain).

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	400KV D/C Lower Subhansiri - Biswanath Chariyali line -I	335		444	329	228	64		Mar'22	Works stand-still on a/c of local disturbance/agitation against big dams. Contract is under short closure as generation was not coming. Now work for generation expected to start. Tendering for balance work is in progress based on communication received from NHPC that 1st unit will come in May'23.
	400KV D/C Lower Subhansiri - Biswanath Chariyali line -II	348		465	327	196	35		Mar'22	Works stand-still on a/c of local disturbance/agitation against big dams. Contract is under short closure as generation was not coming. Now work for generation expected to start. Tendering for balance work is in progress based on communication received from NHPC that 1st unit will come in May'23.
2	Trans. System Strengthening in WR - NR Tran. Corridor for IPP's in Chhattisgarh	206	PGCIL	265	265	265	206	Mar'19/ Dec'19	Mar'20	Associated with Champa -Kurukshetra Bipole-II (upgradation) ant. by Mar'20.
	400KV D/C Kurukshetra - Jind line (Q)	206		265	265	265	206		Dec'17	Line commissioned in Dec'17.

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3	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-I : Raigarh-Pugalur 6000 MW HVDC System	3530.6	PGCIL	4773	4771	4769	3466.6	Nov'19/ May'20	Mar'20	
	+/- 800KV Raigarh (HVDC Stn.) - Pugalur (HVDC Stn.) HVDC Bipole link *	3530.6		4773	4771	4769	3467		Mar'20	ROW issues specially in Tamil Nadu now being resolved with the help of Distt. Admn. Huge forest involvement (432 Ha.) in WR portion. Working permission received in Oct'18. Wildlife corridor clearance discussed on 18.07.19 in NBWL meeting, minutes issued in Aug'19 end.
4	Green Energy Corridor ISTS - Part -D	1278	PGCIL	1731	1731	1731	1278	May'19/ Jan'20	Mar'20	
	765KV D/C Ajmer (new) - Bikaner line	526		717	717	717	526		Jul'19	Commissioned.
	765KV D/C Bikaner - Moga (PG) line	734		988	988	988	734		Mar'20	Line completed. Final checking in progress.
	LILO of 01 ckt of 400KV Bhadla (RVPN) - Bikaner (RVPN) D/C line at Bikaner (NEW)	18		26	26	26	18		Jul'19	Commissioned.
2.0	<u>NORTHERN REGION</u>									
5	Northern Region System Strengthening Scheme - XXX	636	PGCIL	1087	1087	1087	636	Sep'18/ Sep'19	Oct'19	

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	400KV S/C Singrauli - Allahabad line (section of Singrauli-Allahabad line (50 Km) to be strung on existing 400KV D/C tower from Singrauli end)	155		435	435	435	155		Oct'19	Commissioned.
	400KV D/C Allahabad - Kanpur line	481		652	652	652	481		Sep'17	Line commissioned in Sep'17.
6	Transmission System associated with Tehri Pump Storage Plant (PSP)	15	PGCIL	46	43	41	13	Sep'19	Apr'20	
	400KV S/C Tehri Gen. - Tehri Pooling Station (Q)	13		38	35	34	12		Apr'20	04 locations under severe ROW. Line linked with Tehri Generation (expected by Dec' 20). Work started on 1 location.
	Charging of Tehri Pooling - Meerut 765KV line	2		8	8	7	1		Apr'20	Being expedited for system improvement .
7	Transmission System associated with Kishanganga HEP	317	PGCIL	402	402	402	317	Sep'18/ Mar'19/ Jul'19	Jul'19	
	220KV D/C Kishanganga - Amargarh line	85		150	150	150	85	Jul'17	Mar'18	Line commissioned in Mar'18.
	220KV D/C Kishanganga - Wagoora line	232		252	252	252	232		Jul'19	Line charged.
8	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)	137	PGCIL	130	106	85	68	Jun'19	Jun'20	
	LILO of both ckt of Bawana - Mandola 400KV D/C line at Maharaniabagh (Multi Ckt tower with twin/HTLS Cond.)	120		89	79	73	68		Jun'20	Forest proposal under DPTA & FCA submitted. Land allocated by DDA for CA. Approval & tree cutting permission awaited.

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	LILO of one ckt of Bamnauli - Jattikalan 400KV D/C line at Dwarka-I (with twin/HTLS Cond.)	17		41	27	12			Jun'20	Forest proposal under FCA & DPTA submitted. Forest approval & tree cutting permission awaited.
9	Transmission System for Solar Power Park at Bhadla, Rajasthan.	393	PGCIL	529	529	529	393	Jan'19/ Jul'19	Oct'19	Project Completed.
	765KV D/C Bhadla - Bikaner line	340		455	455	455	340		Oct'19	Commissioned.
	400KV D/C Bhadla (PG) - Bhadla (RVPN) line	53		74	74	74	53		Apr'19	Commissioned.
10	Northern Region System Strengthening Scheme - XXXV	122	PGCIL	181	152	81	8	Aug'18	Jul'20	
	400KV D/C Mohindergarh - Bhiwani line	122		181	152	81	8		Jul'20	Forest clearance stage-I received. ROW in Bhiwani portion affecting the progress. Executing agency has undergone NCLT and now contract terminated. Balance work awarded in Nov'19.
11	Establishment of 220/22KV GIS at UT Chandigarh along with 220KV D/C line from Chandigarh GIS to 400/220KV Panchkula (PG) Sub station.	48	PGCIL	56	50	50	43	Feb'19/ Jun'19/ Apr'20	Mar'20	

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	220KV D/C UT Chandigarh S/S - Panchkula (PG) S/S line (incl. 9.7 Kms underground cable).	48		56	50	50	43		Mar'20	Work of downstream system yet to be taken up by UT Chandigarh. Underground cable laying done in 5 Kms. Court case in 04 location in view of ROW which is hampering progress.
12	System Strengthening Scheme in Northern Region - XXXVII	45.4	PGCIL	115	86	62	17	Dec'19/ Jun'20	Jun'20	
	LILO of both ckt of 400KV Dhauliganga - Bareilly (PG) line at Jauljivi	5.4		13	7	3			Jun'20	Tower fdn. under progress. Work affected due to ROW issue.
	Diversion of Dhauliganga-Bareilly 400KV D/C line (operated at 220KV) at Bareilly end from Bareilly (UP) to Bareilly (PG) line	16		27	27	27	15		Mar'20	Work under progress. Stage-I forest clearance received. Working permission yet to be received.
	Disconnection of 220KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh and connecting it to Jauljivi S/Stn. at 220KV level	24		75	52	32	2		Jun'20	Stage-I forest clearance received on 31.10.19. Working permission received on 23.12.19.
13	Transmission System for Solar Energy Zones in Rajasthan	613	PGCIL	846	478	267		Dec'20	Dec'20	
	LILO of both circuits of 765 KV D/C Ajmer-Bikaner line at Bhadla-II PS	527		724	446	266			Dec'20	
	400 KV D/C Bhadla-II PS-Bhadla (PG) line (Twin HTLS)	49		68	15	1			Dec'20	
	LILO of both circuits of 765 KV D/C (op. at 400 KV) Fatehgarh (TBCB)-Bhadla (PG) at Fatehgarh-II PS	37		54	17				Dec'20	
3.0	<u>WESTERN REGION</u>									

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14	Western Region Strengthening Scheme - V	306	PGCIL	369	369	369	306	Dec'18/ Apr'19	May'19	
	400KV Vapi (PG) - Kala - Kudus D/C line (Multi-ckt locs. 109 nos. have been included in Navsari-Boisar line)	234		241	241	241	234		Dec'17	Contingency arrangement to connect Vapi-Navi Mumbai with Navsari-Boisar line by passing ROW area, to from Vapi - Navsari line (24 Ckm) commissioned in Mar'13. 400KV D/C Vapi-Kala portion commissioned in Mar'14 (61 Ckm). Balance portion commissioned in Dec'17.
	220KV Vapi - Khadoli (UT of DNH) D/C line	56		103	103	103	56		Sep'10	Line commissioned in Sep'10.
	LILO of Lonikhand (MSEB) - Kalwa (MSEB) 400KV S/C line at Navi Mumbai.	16		25	25	25	16		May'19	All physical work completed in Mar'19. CEA clearance received (alongwith Navi Mumbai S/S) in May'19. Shutdown for connection from Maharashtra State utilities (MSETCL) is still awaited. State down stream system at Navi Mumbai to be implemented through TBCB. Matter critical. 02 Kms of line executed using under ground cable. Work was affected due to water logging. Severe ROW problem was encountered at Navi Mumbai end, miscreants had burnt and damaged part of laid cable.
15	Transmission System Associated with Mundra Ultra Mega Power Proj.	3639	PGCIL	4927	4927	4927	3573	Dec'18/ Dec'19	Jun'20	
	Part-A - Tr. System of Mundra (UMPP)									

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	400KV D/C Mundra - Limbdi line (Triple snowbird)	628		863	863	863	628		Feb'12	Line commissioned in Feb'12.
	400KV D/C Mundra - Bachchau line (Triple snowbird)	198		285	285	285	198		Sep'11	Line commissioned in Sep'11.
	400KV D/C Bachchau - Ranchodpura line (Triple snowbird)	566		755	755	755	566		Sep'11	Line commissioned in Sep'11.
	400KV D/C Mundra - Jetpur line (Triple snowbird)	672		918	918	918	672		Dec'12	Part of line (314 Ckm) commissioned in Aug'12 & balance (358 Ckm) commissioned in Dec'12.
	Part-B - Regional System Strengthening in WR for Mundra (UMPP)									
	400KV D/C Gandhar - Navsari line	204		288	288	288	204		July'12	Line commissioned in July'12.
	400KV D/C Navsari - Boisar line (Multi-ckt locs. 109 nos. with Vapi-Kudus line & 100 nos. with A'bad-Boisar line have been included in 400KV D/C Navsari-Boisar line).	373		567	567	567	373		Dec'16	Contingency arrangement to connect Navsari-Boisar with Vapi-Navi Mumbai line by bypassing forest area, to form Vapi - Navsari line (212 Ckm, up to common point) commissioned in Mar'13. Balance portion (161 Ckm) commissioned in Dec'16.
	400KV D/C Wardha - Aurangabad line (up-gradation 1200KV S/C)	696		961	961	961	630		Jun'20	Contract terminated 01 out of 02 packages due to unsatisfactory performance. The new package bifurcated into two part. Ist part awarded in Dec'14 and second part in Feb'15. Severe ROW is being encountered. Due to thunderstorm and cyclone in Jun'18, about 6 fdn, 11 tower erection & approx. 9 ckm stringing damaged. Rectification work is under progress.

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	400KV D/C Aurangabad (PG) - Aurangabad (MSETCL) line (Q) (59Km) and Shifting of 400KV Akola -Aurangabad (MSETCL) to Aurangabad (PG) (Twin) line (51Km)	220		145	145	145	220		Apr'14	Akola-Aurangabad line (PG) twin commissioned in Jan'14 (102 Ckm) Aurangabad-Aurangabad (Q) portion commissioned in Apr'14.
	LILO of both Ckt of Kawas - Navsari 200KV D/C at Navsari	82		145	145	145	82		July'12	Commissioned in Jul'12.
16	Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.	132	PGCIL	183	183	183	120	Sep'18/ Sep'19/ Mar'20	Mar'20	Gen. delayed (expected by Jul'20).
	400KV D/C Banaskantha PS - Banaskantha (PG) line	132		183	183	183	120		Mar'20	Completion matching with Banaskantha (Radhanesda) S/stn.
4.0 SOUTHERN REGION										
17	Kudankulam - APP Trans. System (Balance lines)	297	PGCIL	447	447	447	297	Sep'18/ Jun'19	Dec'19	
	Edamon (KSEB) - Muvattupuzha (PG) D/C (Quad) line	297		447	447	447	297		Dec'19	Ist ckt commissioned in Sep'19. 2nd ckt commissioned in Dec'19.
	Kudankulam (NPC) - Tirunelveli(PG) D/C (Quad) line -I	144							Apr'09	Line commissioned in Apr'09.
	Kudankulam (NPC) - Tirunelveli (PG) D/C (Quad) line -II	160							Apr'09	Line commissioned in Apr'09.
	Tirunelveli (PG) - Udumalpet (PG) D/C line	524							Nov'09	Line commissioned in Nov'09.
	Tirunelveli (PG) - Edamon (KSEB) Multi -Ckt line	322							Jul'10	Line commissioned in Jul'10.
	Muvattupuzha (PG) - North Trichur (PG) D/C (Quad) line	180							Nov'11	Commissioned in Nov'11.
	LILO of both ckt of Maduri (PG) - Trivendrum (PG) D/C line at Tirunelveli	212							Apr'08	Commissioned in Apr'08.

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18	System Strengthening - XIII of SR Grid	549	PGCIL	750	750	750	549	Dec'18/ Sep'19	Feb'20	Project Completed.
	400KV D/C Gooty - Madhugiri line	418		572	572	572	418		Nov'15	Line commissioned in Nov'15.
	400KV D/C Madhugiri - Yelhanka line (QUAD)	131		178	178	178	131		Feb'20	1 ckt commissioned in Dec'19 & 2nd ckt commissioned in Feb'20.
19	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-A)	412	PGCIL	565	565	565	395	Jan'19/ Sep'19/ Apr'20	Mar'20	
	400KV D/C Hiriyur - Mysore line	412		565	565	565	395		Mar'20	ROW problem being resolved with the help of admn.
20	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-III : Pugalur - Trichur 2000 MW VSC based HVDC System	277.4	PGCIL	410	289	249	6	Apr'20	Apr'20	
	320KV HVDC Pugalur - North Trichur (Kerala) line	276		406	285	245	5		Apr'20	Progress being affected due to severe ROW problem.
	LILO of 400KV D/C North Trichur - Cochin line at North Trichur HVDC Station (Q)	1.4		4	4	4	1		Apr'20	
21	Transmission System for evacuation of power from Neyveli Lignite Corp. Ltd. TS-1 (Replacement) (NNTPS) in Neyveli, Tamil Nadu.	154	PGCIL	223	223	223	132	Jul'19	Mar'20	
	400KV D/C NNTPS Sw. Yd. - Ariyalur (Villupuram) line	147		213	213	213	125		Mar'20	ROW issues at Ariyalur end. S/S at Ariyalur being implemented by TANTRANSCO expected to be delayed.

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	LILO of existing Neyveli TS-II - Pondycherry 400KV S/C at NNTPS Gen. Yd. (2KMS D/C & 2 Kms M/C)	7		10	10	10	7		Jun'18	Line charged in Jun'18 by cross jumpering at dead end tower near NLC switchyard as associated bays were not ready (under scope of NLC).
22	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-B)	312	PGCIL	428	390	361	245	Feb'19/ Dec'19/ May'20	May'20	
	400KV D/C Tumkur (Pavagada) PS - Devanahally (KPTCL) line - (Q) (139.30 D/C & 13.20 M/C)	312		428	390	361	245		May'20	Progress being affected due to ROW in Bangalore area . S/D tie up for M/C portion (using corridor of N'mangla-Hoody KPTCL line) being done.
23	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-II : AC System Strengthening at Pugalur end.	1201	PGCIL	1692	1260	1093	198	Feb'20/ Sep'20	Jun'20	
	400KV D/C Pugalur HVDC Station - Pugalur line (Q)	100		138	138	138	65		Mar'20	Progress being affected due to severe ROW problem in Tamil Nadu. Efforts are being made to resolve the issue with the help of Distt. Admn.
	400KV D/C Pugalur HVDC Station - Arasur line (Q)	118		162	136	108	10		Mar'20	Progress being affected due to severe ROW problem in Tamil Nadu. Efforts are being made to resolve the issue with the help of Distt. Admn.
	400KV D/C Pugalur HVDC Station - Thiruvalem line (Q)	784		1107	836	742	111		Jun'20	Progress being affected due to ROW. Efforts are being made to resolve the issue with the help of Distt. Admn.
	400KV D/C Pugalur HVDC Station -Edayarpalayam (TANTRANSCO) line (Q)	105		148	51	33	12		Jun'20	Progress being affected due to severe ROW problem in Tamil Nadu. Efforts are being made to resolve the issue with the help of Distt. Admn.

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	400KV D/C Edayarpalayam (TANTRANSCO)-Udumulpet line (Q)	94		137	99	72			Jun'20	Progress being affected due to severe ROW problem in Tamil Nadu. Efforts are being made to resolve the issue with the help of Distt. Admn.
5.0	<u>EASTERN REGION</u>									
24	Eastern Region Strengthening Scheme-V	963	PGCIL	1344	1343	1342	959	Dec'18/ Aug'19	Mar'20	
	400KV D/C Rajarhat - Purnea line (Triple Snowbird)	881		1219	1218	1217	877		Mar'20	400 KV S/C New Purnea-Gokarna line & 400 KV S/C New Purnea-Farakka line charged on 10.11.19 (both lines are section of 400 KV D/C Rajarhat-Purnea line).Farakka - Gokarna portion of 400KV D/C Rajarhat - Purnea line (236 Ckm) including both LILO's at Farakka & Gokarna commissioned in Mar'17. Severe ROW problem at Rajarhat area. Work in Rajarhat was on hold for last 16 months. Work resumed in Oct'17 & again stopped on 01.12.2017 due to protest. Work re-started on 14.08.18 with the help of State administration & again stopped from Jan'19 to 07.02.2020. All work completed except 2 locations. Work commenced on 08.02.2020 and 2.5 km & 1 fdn. completed. 2nd fdn. is under progress.
	LILO of 400KV D/C Rajarhat - Purnea line at Farakka.	40		58	58	58	40		Mar'17	Line commissioned in Mar'17.
	LILO of 400KV D/C Rajarhat - Purnea line at Gokarna.	34		51	51	51	34		Mar'17	Line commissioned in Mar'17.

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	LILO of Subhashgram -Jeerat 400KV S/C line at Rajarhat	8		16	16	16	8		Feb'19	Commissioned in Feb'19.
25	Eastern Region Strengthening Scheme-XV	204	PGCIL	291	290	289	202.83	Apr'18/ Jan'20	Apr'20	
	400KV D/C Farakka - Baharampur Line (Twin HTLS)	164		229	229	229	164		Sep'18	Line completed in Aug'18 & commissioned in Sep'18.
	LILO at 400KV S/C Farakka - Jeerat line at Sagardighi	38		54	54	54	38		Jul'18	LILO line completed in Jul'18 & commissioned in Aug'18.
	LILO at 400KV S/C Sagardighi - Subhasgram line at Jeerat	2		8	7	6	0.83		Apr'20	Schedule extended due to corridor constraint at Jeerat S/S for bays.
	Removal of the existing LILO of Farakka - Jeerat S/C line at Baharampur								Aug'18	Completed in Aug'18.
26	POWERGRID Works associated with Common Trans. System for Phase-II Gen. Proj. in Odisha.	130	PGCIL	122	122	122	130	Apr'19	Nov'19	Associated augmentation/ Split bus at Jharsuguda commissioned in Nov'19.
	LILO of both Ckt of 400KV D/C Rourkela - Raigarh (2nd line) at Jharsuguda (Sundargarh) .	130		122	122	122	130		Jan'18	Line commissioned in Jan'18.
27	Associated Transmission System for NABINAGAR -II TPS.	466	PGCIL	637	637	637	466	Jun'19	Jul'19	Project Completed.
	400KV D/C Nabinagar-II-Gaya line (Q)	184		245	245	245	184		Mar'18	Commissioned in Mar'18.
	400KV D/C Nabinagar-II-Patna line (Q)	282		392	392	392	282		Jul'19	Commissioned.
28	Eastern Region Strengthening Scheme-XVII (Part-B)	63	PGCIL				5	Jun'19	Jun'20	ICTs at Jeypore ant. by Jun'20.
	Re-conductoring of Maithon RB - Maithon 400KV D/C line	63					5		Mar'20	Shutdown awaited.

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
29	400KV D/C Baharampur (PG) - Bheramera (B'desh) line (IInd Ckt) - India portion	172	PGCIL	247	247	247	169	Feb'20	Mar'20	Work under progress.
30	Eastern Region Strengthening Scheme - XX	222	PGCIL				57	May'20	May'20	Compln. Sch.- 30 months from IA.
	Re-conductoring of Rangpo - New Siliguri 400KV D/C line (The existing Twin ACSR Moose line to be re-conducted with Twin HTLS conductor)	220					55		May'20	Shutdown availed from 01.11.19. Work under progress.
	Re-conductoring of New Purnea - Purnea 220KV D/C line (The existing New Purnea (400/220KV) - Purnea (220/132KV) 220KV D/C line needs to be re-conducted with Single HTLS conductor)Twin ACSR Moose line to be re-conducted with Twin HTLS conductor)	2					2		Dec'19	Re-conductoring work completed & charged.
31	TS for transfer of Power from Gen. Proj. in Sikkim to NR/WR (Part-B1)	24	PGCIL	35	15	4		Jun'20	Jun'20	Compln. Sch.- 30 months from IA.
	LILO of IInd Ckt of Teesta III - Kishanganj 400KV D/C line at Rangpo (Q)-Twin HTLS cond.	24		35	15	4			Jun'20	Award placed in Dec'17. Work under progress. Major portion of line is in forest (40 Ha), Forest stage-I approval received in Jan'19. Working permission received in Mar'19.
<u>NORTH EASTERN REGION</u>										
32	North Eastern Region Strengthening Scheme -IV	16	PGCIL				16	May'18/ Mar'19	Aug'19	Balance elements of S/stn. Extn. pkgs. commissioned progressively by Aug'19.

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	Re-conductoring of Agartala GBPP-Agartala (State) 132KV D/C line with HTLS conductor.	16			-	-	16		Feb'18	Line commissioned in Feb'18.
33	PG works associated with North Eastern Region Strengthening Scheme -V	24	PGCIL	42				Apr'20	Apr'20	
	Additional 400KV D/C line at Palatana S/stn. & Surajmaninagar S/stn. end for termination of Palatana - Surajmaninagar 400KV D/C line	2		5					Apr'20	Award placed in May'18. Engg. in progress. Due to change in location of substation under TBCB line, scope of work for Surajmaninagar end changed. Tendering for Surajmaninagar is going on.
	Additional 400KV D/C line at P.K.Bari S/stn. & Silchar S/stn. end for termination of P.K. Bari - Silchar 400KV D/C line	22		37					Apr'20	Award placed in May'18. Survey completed.
34	PG works associated with North Eastern Region Strengthening Scheme - VI	2	PGCIL	8				Jul'20	Jul'20	
	Disconnection of Mariani-Misa 400KV line (presently operated at 220KV) from mariani and termination of the same at 400KV Bus at both New Mariani and Misa S/stn. and operation of the resultant New Mariani (PG) Misa line at 400KV (Both Ckts)	2		8					Jul'20	Award placed in May'18. Survey completed.
	TBCB Lines									
1	Beyond Vemagiri Transmission System	1969		2640	2640	2640	1969	Apr'19	Jan'20	Project Completed.

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	765KV D/C Vemagiri - Chilakaluripeta line	558		748	748	748	558		Jan'20	Line commissioned in Jan'20.
	765KV D/C Chilakaluripeta - Cuddapah line	577		768	768	768	577		Jan'20	Test charged on 30.07.19. Line commissioned in Jan'20.
	400KV D/C Cuddapah - Madhugiri Trans. line (Q)	486		650	650	650	486		Feb'19	Line Commissioned in Feb'19.
	400KV D/C Srikakulam - Garividi Trans. Line (Q)	288		393	393	393	288		Aug'18	Line commissioned in Aug'18.
	400KV D/C Chilakaluripeta - Narasaraopeta Trans. Line (Q)	60		81	81	81	60		Jul'19	Test charged on 29.03.19. Line commissioned on 31.07.19.
2	Eastern Region strengthening Scheme - XVIII	1308		1778	1562	1467	872	Jul'20	Jul'20	
	765KV D/C Ranchi (New) - Medinipur line	538		717	712	704	501		Jul'20	Working permission in forest portion received in Dec'19. Tree cutting permission received in Jan'20.
	765KV D/C Medinipur - Jeerat (New) line	334		461	444	415	202		Jul'20	Severe ROW being faced. 3 location under court case.
	400KV D/C Jeerat (New) - Subhashgram line	216		320	132	81			Jul'20	Severe ROW being faced.
	400KV D/C Jeerat (New) - Jeerat (WBSETCL) line	50		81	77	73	33		Jul'20	Severe ROW being faced.
	LILO of 400KV D/C both ckt of Chandithala - Kharagpur at Medinipur	146		199	197	194	136		Jul'20	Work under progress. ROW being faced.
	LILO of 400KV S/C Jeerat (WBSETCL) - Subhashgram at Rajarhat (PG)	24								Line deleted from scope.
3	Eastern Region Strengthening Scheme - XXI	489	PGCIL	669	550	502	195	Mar'21	Mar'21	Compln. Sch:- 38 month from date of SPV (SPV acquired on 12.01.18).

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	400KV D/C Darbhanga - Sitamarhi (New) line (Triple Snowbird)	161		220	195	181	71		Jan'21	Progress is getting severely affected due to heavy rain & flood. Severe ROW at 16 locns. near Darbhanga.
	400KV D/C Sitamarhi (New) - Motihari line (Triple Snowbird)	171		229	210	188	88		Jan'21	Progress is getting severely affected due to heavy rain & flood. ROW being faced.
	LILO of bith ckt of Nabinagar-II - Gaya 400KV D/C (Q) line at Chandauti	6		9	9	7	2		Mar'21	
	LILO of bith ckt of Kishanganj - Patna 400KV D/C (Q) line at Saharsa	151		211	136	126	34		Mar'21	Progress is getting severely affected due to water logging.
4	WR - NR Interconnector	379	PGCIL	522	379	339	90.2	Jul'21	Jul'21	
	765KV D/C Vindhyachal - Varansai line	379		522	379	339	90.2		Jul'21	Work under progress. Forest clearance of UP portion awaited. Wildlife proposal cleared by NBWL.
5	Transmission System associated with LTA application from Rajasthan SEZ (Part -A)	270		358	114	50		Dec'20	Dec'20	SPV handed over to POWERGRID on 03.10.2019.
	Ajmer (PG) – Phagi 765kV D/c line	270		358	114	50			Dec'20	
6	Transmission System associated with LTA application from Rajasthan SEZ (Part -B)	370		497	57	14		Dec'20	Dec'20	SPV handed over to POWERGRID on 16.10.2019.
	Fatehgarh-2 –Bhadla -2 765kV D/c line	370		497	57	14			Dec'20	
7	Transmission System associated with LTA application from Rajasthan SEZ (Part -C)	444		603	258	60		Dec'20	Dec'20	SPV handed over to POWERGRID on 29.08.2019.
	Khetri– Jhatikara 765kV D/c line	286		394	150	41			Dec'20	
	Khetri – Sikar (PG) 400kV D/c line AL59 (Twin)	158		209	108	19			Dec'20	

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
8	Transmission System for providing connectivity to RE Projects at Bhuj-II (2000 MW) in Gujarat	207		270	12			Dec'20	Dec'20	SPV transferred in Oct'19.
	Reconfiguration of Bhuj PS – Lakadia PS 765kV D/c line so as to establish Bhuj-II –Lakadia 765 kV D/C line as well as Bhuj-Bhuj-II 765kV D/C line	207		270	12				Dec'20	Foundation work is under progress.
9	Creation of new 400 kV GIS substations in Gurgaon area and Palwal as a part of ISTS.		Gurgaon Palwal Transmission Ltd.					Sep'19		
	400 kV D/C Aligarh-Prithala HTLS line	99		108	108	108	99	May'19		Commissioned 07/19.
	400 kV D/C Prithala-Kadarpur HTLS line	58		69	69	69	58	May'19		Commissioned 12/19.
	400 kV D/C Kadarpur-Sohna road HTLS line	21		29	29	29	21	Sep'19		Electrical Inspection was held on 27-02-2020 and the approval for Energization certificate is expected by 6th Mar 2020.
	LILO of Gurgaon – Manesar 400 kV D/C (Q) line at Sohna Road	2		6	6	6	2	Sep'19		Electrical Inspection was held on 27-02-2020 and the approval for Energization certificate is expected by 6th Mar 2020
	400 kV D/C Neemrana(PG) – Dhanonda HTLS line	93		111	111	111	93	May'19	Feb'19	Commissioned 02/19.
10	Connectivity system for Khargone TPP.		Khargone Transmission Ltd.					Jul'19		
	LILO of one ckt of Khandwa - Rajgarh 400kV D/C line at Khargone TPP	14		21	21	21	14	Feb'18	Feb'18	commissioned 02/18
	400 kV D/C Khargone TPP Switchyard – Khandwa pool (Quad) line	50		66	66	64	39	Jul'19		RoW issues.

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	765kV D/C Khandwa Pool – Indore line	180		243	243	243	180	Jul'19		Received Approval for Energization certificate from Electrical Inspector, CEA on 06th Feb 2020.
	765 kV D/C Khandwa Pool – Dhule line	379		492	476	474	350	Jul'19		Work stopped due to passing of line through submergence area of proposed Jamphal Dam in Maharastra. A meeting was taken in CEA and DC, Dhule was requested to allow the construction of line and diversion will be taken up during construction stage of dam. But issue could not be resolved. Diversion of line is requested. re-routing work of line has been started and the Forest Diversion Prposal has been submitted to MoEF. Approval
11	NER System Strengthening Scheme II .		NER II Transmission Limited							
	400 kV D/C Surajmaninagar - P. K. Bari line	154		208	175	147	41	Jul'20		Work in progress.
	132 kV D/C AGTPP (NEEPCO) – P.K. Bari (TSECL) line	167		239	225	173	45	Mar'20		Work in progress.
	132 kV D/C Biswanath Chariyalli (POWERGRID) – Itanagar line	133.64		211	151	121	33	Mar'20		Due to Non-grant of NOC, re-routing of line has been proposed by AAI. and proposal for the same has been submitted . AAI has not issued NOC certificate for 8 tower locations
	400 kV 6. Silchar (POWERGRID) – Misa (POWERGRID) Quad line	357		487	461	386	166	Nov'20		Work in progress.
	LILO of one circuit of Biswanath Chariyalli (POWERGRID)) – Itanagar 132kV D/c (Zebra conductor) line at Gohpur (AEGCL)	17		30	20	2		Mar'20		Work in progress.

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12	Additional 400kV Feed to Goa and Additional System for Power Evacuation from Generation Projects pooled at Raigarh (Tamnar) Pool		Goa-Tamnar Transmission Project Limited					Nov'21		
	LILO of one ckt of Narendra (Existing) - Narendra (New) 400kV D/C Quad line at Xeldem	188.32		233	2			Nov'21		Work in progress.
	Xeldem - Mapusa 400kV D/C Quad Line	109.6		148	8	2		May'21		Work in progress.
	Dharamjaygarh Pool Section B - Raigarh (Tamnar) Pool 765kV D/C Line	137		182	2			Jul'21		Work in progress.
	Xeldem (existing) – Xeldem (new) 220kV D/C line	40		66				May'21		
13	Establish Transmission System for 400 kV Udupi (UPCL) – Kasargode D/C Line		Udupi Kasargode Transmission Limited.					Nov'22		
	Mangalore (Udupi PCL) – Kasargode 400kV (Quad) D/c line									Work in progress.
14	WRSS – 21 Part – B – Transmission System Strengthening for Relieving Over Loadings Observed in Gujarat Intra-State System Due to Re-injections in Bhuj PS		Lakadia – Vadodara Transmission Project Limited; Sterlite Grid 18 Limited(A Subsidiary of Sterlite Power Trans. Limited)							
	Lakadia – Vadodara 765kV D/c line									

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15	Additional inter regional AC link for import into southern region i.e Warora-Warangal and Chilakaluripeta – Hyderabad – Kurnool 765 kV link.		Warora Kurnool Transmission Ltd.					Nov-19		
	765 kV D/C Warora-Warangal (hexa) Line	646		827	774	425	58.6	Nov'19		•Work affected in 765 kV D/C Warora – Warangal Transmission line due to Western Coal Fields (WCL) strict objection for traversing WKTL towers through WCL Penganga OC mine area: Meetings were taken by Chief Engineer (CEA) on 30.05.2019 .Matter was also discussed in meeting taken by Chief Engineer (Trans.) in MoP on 03.06.2019 and a committee was formed under Chief Engineer (CEA) to examine the issue along with relevant notifications/guidelines and submit its options for resolution of the matter. First meeting of committee held On 19.07.19. . 2nd meeting of the committee was held on 19.08.2019.subsequently a meeting was taken by Addl. Secretary, MoP on 19.08.2019. The final report of committee was submitted to Ministry of Power in OCT'19. A meeting was held on 15.11.2019 in this regard.
	765 kV D/C Warangal – Hyderabad (hexa) Line	266		344	312	247		Nov'19		Severe Row issue.
	765 kV D/C Hyderabad – Kurnool (hexa) Line	332		422	339	183		Nov'19		Severe Row issue.
	765 kV D/C Warangal – Chilakaluripeta (hexa) Line	394		565	446	341		Nov'19		Severe Row issue.
	765 kV D/C Warangal – Warangal (hexa) Line	95		130	9			Nov'19		Work in progress.

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16	System strengthening in northern region (NRSS XXXVI) along with LILO of Sikar-Neemrana 400 kV D/C line at Babai(RVPNL). By M/s Essel.		NRSS XXXVI Transmission Ltd.					Dec-19		Transmission Line Route survey work is completed. - Detail survey of 400 kV D/C Babai-Bhiwani and Koteswar-Rishikesh Transmission Line is under progress. -Civil work at Babai Sub-station is in progress.
	400 kV D/C Rishikesh – Koteswar (twin) Line	81		106	26			Dec'19		1.Forest clearance awaited. 2. IDPL conveyed it's no objection on 03.04.2019 stating that Uttarakhand Government is planning to construct Convention Centre along with Hill Culture, Yoga and Wellness Centre on the said land. Accordingly, IDPL requested to take no objection certificate also from Uttarakhand Government. Accordingly, the detailed proposal of NoC was submitted to Tourism Deptt. of Uttarakhand on 27.05.2019.WKTL has submitted the Forest proposal on 04th April 2019 for Tehri & Narendranagar Forest Division. They have also sought consent from DFO (Dehradun) for the submission of forest proposal in light of available IDPL NoC. CEA on 26.06.19 has also requested Govt. of Uttarakhand to issue NOC at the earliest.On 3rd August 2019, CEO- Uttarakhand Torism Development Board has written a letter to share all the detraills of the project to their consultant M/s EY LLP. The same was shared with the agency on 11th Septemeber.M/s NRSS XXXVI Trans.Ltd requested CEO- Uttarakhand Torism Development Board vide letter dated 13th Septemeber to convene a meeting along with the consultant so that the matter shall be resolved.

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	LILO of one ckt of 400 kV D/c Sikar (PG) – Neemrana (PG) line at Babai	3		6	6	6	3	Dec'16	Oct'17	Commissioned 10/17.
	Babai (RRVPNL) – Bhiwani (PG) D/C line	221		304	273	248	74	Jun'19		Severe RoW issues
17	Immediate evacuation for North Karanpura (3x660MW) generation project of NTPC (ERSS-XXIX).		North Karanpura Transco Ltd					23 months from the NOC from CCL		Authorization on CCL / MoC suggested route received on 05.11.2019. NKTL has received a letter from CCL regarding NOC, however NoC is yet to be received. Construction work has been started.
	400kV D/C North Karanpura – Gaya line (Q) (only Double Circuit portion)	196		285	59	31				• Revised schedule completion date: 23 months from the date of NOC from CCL/MoC (considering receipt of forest approval within 300 days). RoW issues
	400kV D/C North Karanpura – Chandwa (Jharkhand) Pooling Station line (Q) (including Multi-circuit portion)	102		115	58	45				• Revised schedule completion date: 14 months from the date of NOC from CCL/MoC (considering receipt of forest approval within 200 days) RoW issues
	LILO of both circuits of Ranchi – Maithon-RB 400kV D/c line at Dhanbad	2.4		4						• Revised schedule completion date: 18 months from date of NOC from CCL/MoC
18	Transmission System for Ultra Mega Solar Park in Fatehgarh, Distt. Jaisalmer Rajasthan By M/s Adani		Fatehgarh Bhadla Transmission Ltd.					Sep'19		

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	765 kV D/C line Fatehgarh Pooling sub-station - Bhadla (PG)	304		405	322	290	153	Sep'19		ISTS system is being implemented under TBCB. By M/s Adani Transmission Ltd. Route of line is being changed due to inhabitation of Great Indian Bustard (GIB) in the area. Route alignment on the revised route completed and the revised line length works out to 152 Kms. On the basis of above, FBTL has served Change in law notice on 26.03.2019 and Petition filed in CERC on 25.04.2019. During hearing date 21.08.2019, CERC had admitted the petition and hearing was conducted on 29.10.2019 and matter is now reserved for order.
19	Transmission System Associated with LTA applications from Rajasthan SEZ Part-D		Bikaner-Khetri Transmission Limited					Dec'20		
	Bikaner (PG) – Khetri S/S 765 kV D/C line.	472		607	304	19		Dec'20		Site location (GPS co-ordinate) and plan layout of Sub Station are awaited from PGCIL.
20	Transmission System for Western Region Strengthening Scheme – 21 (WRSS – 21) Part – A – Transmission System Strengthening for Relieving Over Loadings Observed in Gujarat Intra-State System Due to Re-injections in Bhuj PS		WRSS XXI(A) Transco Limited					Dec'20		
	LILO of Bhachau – EPGL line 400 kV D/C (triple) line at Lakadia PS.	76		118	2			Dec'20		
	Bhuj PS – Lakadia PS 765 kV D/C line	214		271	20			Dec'20		Severe RoW
21	Transmission System for Transmission System Associated with RE Generations at Bhuj-II, Dwarka & Lakadia		Lakadia Banaskantha Transco Limited						Jun'21	

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	Lakadia PS – Banaskantha PS 765kV D/c line	352		444	13				Jun'21	
22	Transmission System for Jam Khambaliya Pooling Station and Interconnection of Jam Khambaliya Pooling Station for Providing Connectivity to RE Projects (1500 MW) in Dwarka (Gujarat) and Installation of 400/220 kV ICT along with Associated Bays at CGPL Switchyard		Jam Khambaliya Transco Limited						Mar'21	
	Extension of Essar-Lakadia/Bhachau 400 kV D/C (triple snowbird) line upto Jam Khambhaliya PS.									
23	North Eastern Region Strengthening Scheme (NERSS-VI). M/s by Kohima-Mairani Transmission Limited (Kalpataru)		Kohima Mairani Transmission Ltd.					Jul'20		
	400 kV D/C Imphal-New Kohima line	272		323	295	280	188	Jul'20	Jul'20	Severe RoW issues
	400 kV D/c New Kohima -New Mariani line	236		282	274	262	153	Jul'20	Jul'20	Severe RoW issues

PART- II: सब स्टेशन SUBSTATION

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	MULTI REGIONAL SYSTEMS									
1	North East / Northern Western Interconnector - I Project		PGCIL					Mar'22	Mar'22	
	Part-A : North East - Northern/ Western Interconnector -I							Sep'16	Sep'16	Part- A, Completed.
	400/132KV Biswanath Chariyali Pooling Station	2x200		Acquired	Compltd	Compltd	Compltd		Jan'16	Sub station along with ICT-II commissioned in Oct'15 & ICT -I in Jan'16.
	HVDC Rectifire Module at Biswanath Chariyali (3000MW)			Acquired	Compltd	Compltd	Compltd		Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
	HVDC Rectifire Module at Agra (3000MW)			Acquired	Compltd	Compltd	Compltd		Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
	Aug. of 400KV Agra S/Stn.	4x105		Available	Compltd	Compltd	Compltd		Jan'16	Commissioned in Jan'16.
	Extn. of 400KV Balipara S/Stn.			Available	Compltd	Compltd	Compltd		Sep'15	Commissioned.
	Extn. of 132KV Biswanath Chariyali S/Stn.			Available	Compltd	Compltd	Compltd		Sep'15	Commissioned.
	Part-B : Transmission System for immediate evacuation of Power from Kameng HEP							Mar'18	Mar'18	Part- B, Completed.
	2nd ICT of 400/220KV Misa S/Stn.	1x315		Available	Compltd	Compltd	Compltd		Jun'12	Commissioned in Jun'12.
	Extn. of 400KV Balipara S/Stn.			Available	Compltd	Compltd	Compltd		Mar'18	Bongaigaon bay commissioned in Oct'14. Balance in Mar'18.
	Extn. of 400KV Bongaigaon S/Stn.			Available	Compltd	Compltd	Compltd		Oct'14	Commissioned
	Part-C : Transmission System for immediate evacuation of Power from Lower Subhansiri HEP							Mar'22	Mar'22	Gen. Sch. uncertain.
	Extn. 400KV at Biswanath Chariyali Pooling stn.			Available	15%				Mar'22	Completion matching with line (Line work stalled due to agitation against big dam, Gen. sch. uncertain).
2	Trans. Syatem Strengthening in WR - NR Transmission Corridor for IPP's in Chhattisgarh		PGCIL					Mar'19/ Dec'19	Mar'20	
	Upgradation of +/- 800KV HVDC Converter stn. 3000MW to 6000MW at Champa Stn.	3000		Available	99%	99%	95%		Mar'20	Pole-III commissioned in Oct'19. Erection & testing works for Pole-IV under progress.
	Upgradation of +/- 800KV HVDC Converter stn. 3000MW to 6000MW at Kurukshetra Stn.	3000		Available	99%	99%	93%		Mar'20	Pole-III commissioned in Oct'19. Erection & testing works for Pole-IV under progress.
	Extn. At 400/220KV Kurukshetra S/stn.			Available	Compltd	Compltd	Compltd		Dec'17	Commissioned in Dec'17.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. At 400/220KV Jind S/stn.			Available	Compltd	Compltd	Compltd		Dec'17	Commissioned in Dec'17.
3	Transmission System Strengthening in Indian System for Transfer of Power from Mangdechhu Hydroelectric Proj, in BHUTAN		PGCIL					Mar'19/ Dec'19/ Mar'20	May'20	
	Extn at 400KV bays at Alipurduar S/stn.			Available	99%	99%	99%		May'20	Bay available. Commissioning matching with line.
4	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-I : Raigarh-Pugalur 6000 MW HVDC System		PGCIL					Nov'19/ May'20	Mar'20	
	800KV HVDC Raigarh Station with 6000 MW HVDC Terminal			Acquired	90%	84%	69%		Mar'20	Work under progress.
	800KV HVDC Pugalur Station with 6000 MW HVDC Terminal			Acquired	92%	85%	71%		Mar'20	Work under progress.
5	Green Energy Corridor ISTS - Part -D		PGCIL					May'19/ Jan'20	Mar'20	
	765/400KV Bikaner Sub station	2x1500		Acquired	98%	98%	98%		Mar'20	ICTs commissioned alongwith Ajmer-Bikaner line in Jul'19. Balance work under progress.
	Extn. at 765/400KV Ajmer Sub station			Available	Compltd	Compltd	Compltd		Jul'19	Commissioned.
	Extn. at 765/400KV Moga Sub station			Available	98%	98%	98%		Mar'20	Commissioning matching with Bikaner-Moga line.
6	POWERGRID works associated with additional 400 KV feed to Goa		PGCIL					Sep'21	Sep'21	Compln Sch. : 30-36 months from IA.
	400 KV Extn. at Mapusa sub station (02 nos. 400 KV line bays for termination of Xeldem-Mapusa 400 KV D/C (Q) line (under TBCB))			Available	40%	5%		Mar'21	Mar'21	Awarded in Sep'18. Tower, equipment foundation is in progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	400 KV Extn. at Narendra (New) (Kudgi-GIS) sub station <i>(1x80 MVAR, 420 KV LR along with 500 ohms NGR for Narendra (New)-Xeldem 400 KV (Q) line formed after LILO of one ckt of Narendra (Existing)-Narendra (New) 400 KV D/C (Q) line at Xeldem)</i>			Available	25%	2%			Sep'21	Awarded in Sep'18. Engg. under progress.
7	POWERGRID works associated with New WR-NR 765 KV Inter-Regional Corridor		PGCIL					May'21	May'21	
	2 nos. 765 KV line bays at Vindhyachal Pooling Station			Available	80%	60%	25%		May'21	Awarded in Sep'18. Civil work & equipment erection is in progress. Tower & equipment foundation completed.
	2 nos. 765 KV line bays along with 2x330 MVAR LR (non-switchable) at Varanasi GIS			Available	45%	20%	8%		May'21	Awarded in Feb'19. Engg. & civil work under progress. Supply of GIS from NHVS, China getting delayed.
8	System Strengthening Schemes at Tuticorin-II (erstwhile Tirunelveli GIS) and Bhuj PS		PGCIL					Jun'20	Jun'20	Compln Sch. : 15-19 months from IA.
	Part-A: Augmentation at 400/230 KV Tuticorin-II (GIS) S/S <i>(500 MVA 400/220 KV transformer & associated bays (GIS))</i>	500		Available	90%	75%	45%	Feb'20	Jun'20	Awarded in Dec'18. Work in progress. Supply affected due to corona virus.
	Part-B: Augmentation at 765/400/220 KV Bhuj S/S <i>(2x1500 MVA 765/400 KV transformer & 16 nos. bays (AIS:11, GIS:5) 6x500 MVA 400/220 KV transformer)</i>	6000			50%	40%	27%		Jun'20	2 nos. 400/220 KV 500 MVA ICT commissioned in Oct'19. Balance supply, civil work & Erection under progress. Supply of GIS affected because of corona virus. Commissioning of 3rd 400 KV ICT & 1st bank of 765 KV ICT may be deffered because of force majeures.
	NORTHERN REGION									
9	Northern Region System Strengthening Scheme - XXX		PGCIL					Sep'18/ Sep'19	Oct'19	
	Extn. at 400KV Singrauli S/stn. at NTPC Gen. Stn.			Available	100%	100%	100%		Oct'19	Commissioned.
	Extn. at 400/220KV Allahabad S/Stn.			Available	100%	100%	100%		Oct'19	Commissioned.
	Extn. at 765/400KV Kanpur GIS			Available	Compltd	Compltd	Compltd		Sep'17	Commisisoned in Sep'17.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
10	Transmission System associated with Tehri Pump Storage Plant (PSP)		PGCIL					Sep'19	Apr'20	
	765/400KV Tehri Pooling Station (GIS)	4x800			94%	94%	72%		Apr'20	Civil work, supply & erection under progress.
	Extn. at 765/400KV Meerut Sub station	1500		Available	99%	98%	96%		Apr'20	Civil work, supply & erection under progress.
11	Transmission System associated with Kishanganga HEP		PGCIL					Sep'18/ Mar'19/ Jul'19	Jul'19	
	Extn. at 400/220KV Wagoora S/Stn. (PG). (02 nos line bays)	-		Available	100%	100%	100%		Jul'19	Charged.
12	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)		PGCIL					Jun'19	Jun'20	
	Extn. at 400KV bays at Maharanibag S/stn. (in place of 400/220KV Rajghat S/stn. - Anuled)	-		Available	80%	70%	45%		Jun'20	Rajghat S/stn. anuled. Additional bays at Maharanibag in place of Rajghat S/S . Award placed in Jan'18. Civil work under progress.
	400/220KV Dwarka -I Sub station (GIS)	4x500		Acquired	99%	98%	95%		Jun'20	Land acquired in Aug'16. Award placed in Dec'16. Erection & testing under progress.
13	Transmission System for Solar Power Park at Bhadla, Rajasthan.		PGCIL					Jan'19/ Jul'19	Oct'19	Project Completed.
	765/400/220KV Bhadla Sub station	3x1500 3X500		Acquired	100%	100%	100%		Oct'19	1x500 MVA ICT commissioned in Apr'19. 2x500 MVA ICTs commissioned in May'19. 3x1500 MVA ICT alongwith bays commissioned in Oct'19.
	Extn. at 765/400KV Bikaner Sub station			Available	100%	100%	100%		Oct'19	Commissioned.
	Extn. at 400/220KV Bhadla (RVPN) Sub station			Available	Compltd	Compltd	Compltd		Apr'19	Commissioned.
14	Establishment of 220/66KV GIS at UT Chandigarh along with 220KV D/C line from Chandigarh GIS to 400/220KV Panchkula (PG) Sub station.		PGCIL					Feb'19/ Jun'19/ Apr'20	Mar'20	
	220/66KV UT Chandigarh (GIS) Sub station	2x160		Acquired	98%	95%	92%		Mar'20	Work of down stream line yet to be taken up by UT Chandigarh

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
										Chandigarh.
	Extn at 400/220KV Panchkula Sub station	-		Available	98%	98%	98%		Mar'20	Commissioning matching with line.
15	System Strengthening Scheme in Northern Region - XXXVII		PGCIL					Dec'19/ Jun'20	Jun'20	
	400/220KV Jauljivi (GIS) Sub station	7x105		Acquired	85%	75%	50%		Jun'20	Award placed in Mar'17. Civil work & supply under progress. Due to poor road conditions, supply of Transformer & Reactor affected.
	Extn at 765/400KV Bareilly Sub station	-		Available	90%	90%	90%		Mar'20	Award placed in Mar'17. Cable laying & termination under progress.
16	System Strengthening Scheme in Northern Region - XXXVI		PGCIL					Sep'19	Jun'20	
	Extn. at 400/220KV Koteswar Pooling station	-		Available	50%	22%			Jun'20	Award placed in Mar'17. Engg. & civil work under progress. TBCB line of Essel delayed.
	Extn. at 400/220KV Roorkee Sub station	-		Available	100%	100%	100%		Sep'19	Bays ready for commissioning in Dec'18. Downstream is not available.
17	System Strengthening Scheme in Northern Region - XXXVIII		PGCIL					Jun'19	Dec'19	Project Completed.
	Creation of 400KV level at Aligarh (PG) 765KV GIS Switching Station - Extn.	2x1500		Available	100%	100%	100%		Dec'19	Ist bank of ICT alongwith line bays charged in Oct'19. IInd ICT commissioned in Dec'19.
	Extn. at 400KV Neemrana Sub station	-		Available	100%	100%	100%		Feb'19	Bays ready for commissioning in Dec'18 & commissioned in Feb'19.
18	Line Bays Associated with Various Regional Strengthening Schemes in NR		PGCIL					Mar'19	May'19	Project Completed.
	Extn. at 765/400/220KV Fatehpur Sub station	-		Available	Compltd	Compltd	Compltd		May'18	Bay commissioned in May'18.
	Extn. at 400KV Bhinmal Sub station	-		Available	Compltd	Compltd	Compltd		May'19	Bays ready for commissioning in Dec'18. Charged on 21.05.19.
	Extn. at 400KV Sikar Sub station	-		Available	Compltd	Compltd	Compltd		Nov'17	Bay commissioned.
19	Augmentation of Transformation Capacity at Raebareli & Sitarganj 220/132KV S/Stn.		PGCIL					Mar'19	Jun'19	
	Repl. of 2x100MVA ICT's by 2x200MVA 220/132KV ICT's at Raebareli S/stn.	200		Available	Compltd	Compltd	Compltd		Feb'18	ICT-I charged in Nov'17 & ICT-II commissioned in Feb'18.
	Extn. at 220/132KV Sitarganj Sub station	-		Available	100%	100%	100%		Jun'19	Charged.
20	Provision of 400KV Bays at Bhiwani (PG)		PGCIL					Mar'19	Aug'19	Compln. Sch. - 21 month from IA

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Ext. at 400/220KV Bhiwani (PG) S/stn.	-		Available	100%	100%	100%		Aug'19	Bay test charged in Aug'19. TBCB line of Essel delayed.
21	Implementation of 500 MVAR Thyristor Controlled Reactor at Kurukshetra		PGCIL					Jul'21	Jul'21	Compln. Sch. - 30 months from IA
	500 MVAR Thyristor Controlled Reactor (TCR) at 400 kV Kurukshetra -1 No.				13%				Jul'21	Engg. & civil work under progress.
22	Northern Region System Strengthening - XL		PGCIL					Dec'20	Dec'20	Compln. Sch. - 22 months from IA
	Extn. at 400/220 kV Roorkee	1x500		Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Sonapat	1x500		Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Fatehpur	1x500		Available	10%				Dec'20	Award placed in Aug'19. Engg. & civil work under progress.
	Extn. at 400/220 kV Saharanpur	1x500		Available	5%				Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Bhadla	2x500		Available	5%				Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Lucknow (Repl. of 1x315 MVA ICT by 1x500 MVA ICT)	185		Available					Dec'20	ICT replaced & commissioned in Mar'19. Award for 220 KV bay extn. placed in Aug'19. Engg. under progress.
	Extn. at 400/220 kV Allahabad			Available					Dec'20	Award placed in Aug'19. Engg. under progress.
	Extn. at 400/220 kV Mandola			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Hissar			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Sikar			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Meerut			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Abdullapur			Available	2%				Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Gorakhpur (1x315 MVA ICT after replacement at Lucknow to be shifted to Gorakhpur)			Available	35%	20%			Dec'20	Engg., civil works & supply under progress. Efforte being made to complete 1 no. 315 MVA ICT along with 400/220 KV ICT bays earlier.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 400/220 kV Jind			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Fatehabad			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Kishenpur			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Jallandhar			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Amritsar			Available	2%				Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Maharaniabagh			Available					Dec'20	
	Extn. at 400/220 kV Chamera PS			Available					Dec'20	
	Extn. at 400/220 kV Moga			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Patiala			Available					Dec'20	
23	Northern Region System Strengthening - XLII		PGCIL					Oct'20	Oct'20	
	Extn. at 400/220 kV Samba (Jatwal) (2 nos. 220 KV line bays for termination of 220 KV D/C Samba (PDD)-Samba (Jatwal) line of J&KPDD)								Oct'20	
24	Transmission System for Solar Energy Zones in Rajasthan		PGCIL					Dec'20	Dec'20	
	Establishment of 765/400 KV Bhadla-II PS (1x125 MVar BR, 2x240 MVar BR, 2x330 MVar SLR & 2X240 MVar SLR alongwith associated bays)	2x1500		Acquired	16%				Dec'20	
	Establishment of 765/400 KV Fatehgarh-II PS (1x125 MVar BR & 2x240 MVar BR alongwith associated bays)	3x1500		Acquired	12%				Dec'20	
	Extn. of 765/400/220 KV Bhadla (PG) S/S	2x500		Available	10%				Dec'20	
	Extn. of 765/400 KV Bhiwani (PG) S/S	1x1000		Available	5%				Dec'20	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
25	Northern Region System Strengthening - XLI		PGCIL					May'21	May'21	
	Extn. at 400/220 kV Chamara Pooling Station (2 nos. 4000 KV line bays (GIS))								May'21	
	WESTERN REGION									
26	Western Region Strengthening Scheme - V		PGCIL					Dec'18/ Apr'19	May'19	
	400/220 KV Navi Mumbai (GIS).	2x315		Acquired	Compltd	Compltd	Compltd		May'19	Sub station is ready. CEA clearance received in May'19. However, 220KV down stream system at Navi Mumbai to be implemented through TBCB. Due to severe ROW portion at Navi-Mumbai end, Line was decided to be terminated at Kudus S/Stn. of MSETCL.
	Ext. 400/220 KV Vapi (PG) S/Stn.	-		Available	Compltd	Compltd	Compltd		Mar'13	Bay associated with Vapi-Khadoli line charged in Sep'10 & Vapi - Nai Mumbai line in Mar'13.
	Ext. 220/66 KV Khadoli (UT & DNH) S/Stn.	-		Available	Compltd	Compltd	Compltd		Sep'10	Test charged on 15.09.10.
	Ext. 400/220 KV Kudus S/Stn. (MSETCL)	-		Available	Compltd	Compltd	Compltd		Dec'17	Commissioned in Dec'17.
27	Transmission System Associated with Mundra Ultra Mega Power Proj.		PGCIL					Dec'18/ Dec'19	Jun'20	
	400/220 KV Bachchau S/Stn.	2x315		Acquired	Compltd	Compltd	Compltd		Sep'11	Sub station commissioned with ICT's in Sep'11.
	400/220 KV Navsari GIS S/Stn.	2x315		Acquired	Compltd	Compltd	Compltd		July'12	Sub station commissioned with both ICT's in July'12.
	Extn. 400KV at Boisar S/Stn.			Available	Compltd	Compltd	Compltd		Dec'16	Commissioned in Dec'16 alongwith line.
	765/400KV Wardha S/Stn.	3x1500		Acquired	Compltd	Compltd	Compltd		Mar'12	Sub station commissioned alongwith I&II ICT's in Feb'12 & IIIRD ICT in Mar'12
	400/220 KV Aurangabad S/Stn. & Extn. at 400KV Wardha & Aurangabad (MSETCL) S/stn.	2x315		Acquired	100%	100%	98%		Jun'20	Sub station commisisoned alongwith both ICT's in Jan'14. Balance works under progress. Commissioning matching with line.
	Extn. 765KV at Seoni & Wardha S/stn.			Available	Compltd	Compltd	Compltd		May'12	Bays for Ist Seoni - Wardha line commissioned in Feb'12. & IInd Seoni-Wardha 765KV S/C line bay commissioned in May'12.
	Extn. 400KV at Limbdi S/stn.			Available	Compltd	Compltd	Compltd		Nov'11	Charged in Nov'11.
	Extn. 400KV at Ranchorpura S/stn.			Available	Compltd	Compltd	Compltd		Sep'11	Charged in Sep'11.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. 400KV Jetpur S/stn.			Available	Compltd	Compltd	Compltd		Aug'12	Commissioned in Aug'12.
	40% Fixed Series Compensation on Wardha - Aurangabad 400KV D/C line.			Available	99%	99%	97%		Jun'20	Work under progress. Completion matching with Wardha-Aurangabad line.
28	Western Region Strengthening Scheme - XVIII		PGCIL					Feb'20	Jul'19	Compln Sch. : 36 month from IA.
	Extn. at 765/400KV Dharamjaygarh Pool.	-		Available	100%	100%	100%		Jul'19	Charged in Jul'19.
	Extn. at 765/400KV Raigarh Pool (Kotra).	-		Available	100%	100%	100%		Jul'19	Charged in Jul'19.
	Extn. at 765/400KV Champa Pool .	-		Available	100%	100%	100%		Jul'19	Charged in Jul'19.
29	POWERGRID work associated with Transmission System Strengthening in WR associated with Khargone TPS.		PGCIL					Jul'19	Jul'19	Compln Sch. : Feb'18 to Jul'19 matching with TBCB lines.
	Extn. at 765/400KV Indore Sub station.	-		Available	100%	100%	100%		Jul'19	Work completed in Jun'19. Associated TBCB line of M/s Sterlite delayed.
	Extn. at 765/400KV Rajgarh Sub station.	-		Available	Compltd	Compltd	Compltd		Feb'18	Ready for commissioning. Commisisoning matching with TBCB line.
30	Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.		PGCIL					Sep'18/ Sep'19/ Mar'20	Mar'20	Compln Sch. : 16 months from IA.
	Extn. at 765/400KV Banaskantha Sub station.	-		Available	95%	95%	90%		Mar'20	Work under progress. Completion matching with Banaskantha (Radhanesda) S/stn.
31	Supplementary Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.		PGCIL					Jun'19/ Sep'19/ Mar'20	Mar'20	Compln Sch. : 18 months from IA.
	400/220KV Banaskantha (Radhanesda) Pooling station GIS	2x500		Acquired	90%	95%	90%		Mar'20	Work under progress.
32	Additional system for Power evacuation from Generation projects pooled at Raigarh (Tamnar) Pool		PGCIL					May'21	May'21	
	2 nos. 765 KV line bays at Raigarh (Tamnar) PG PS (for termination of Dharamjaygarh PS section B-Raigarh (Tamnar) PS 765 KV D/C line)			Available	45%	25%	5%		May'21	Awarded in Sep'18. Engg. & civil works under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	2 nos. 765 KV line bays at 765 KV Dharamjaygarh (PG) PS (for termination of Dharamjaygarh PS section B-Raigarh (Tamnar) PS 765 KV D/C line)			Available	40%	10%	5%		May'21	Awarded in Sep'18. Engg. & civil works under progress.
33	Western Region System Strengthening - XX		PGCIL					Aug'21	Aug'21	
	Part-A: Provision of Bus Reactors at High Voltage Nodes in WR									
	Extn. at 400/220 KV Khandwa S/S (1x125 MVA BR alongwith 400 KV bay)			Available					Aug'21	Award placed in Jul'19. Engg. under progress.
	Extn. at 765/400 KV Solapur S/S (1x240 MVA BR alongwith 765 KV bay)			Available					Aug'21	Award placed in Jul'19. Engg. under progress.
	Extn. at 400/220 KV Rajgarh S/S (1x125 MVA BR alongwith 400 KV bay)			Available					Aug'21	Award placed in Jul'19. Engg. under progress.
	Extn. at 765/400 KV Wardha S/S (1x330 MVA BR alongwith 765 KV bay)			Available					Aug'21	Award placed in Jul'19. Engg. under progress.
	Extn. at 765/400 KV Aurangabad S/S (1x240 MVA BR alongwith 765 KV bay)			Available	5%				Aug'21	Award placed in Jul'19. Engg. under progress.
	Part-B: Provision of Bus Reactor at Champa Pool: Split section - Part A									
	Extn. at 400/220 KV Champa PS (1x125 MVA BR alongwith 400 KV bay)								Aug'21	Award placed in Jul'19. Engg. under progress.
	Part-C: Augmentation of transformation capacity in WR									
	Extn. at 400/220 KV Jabalpur S/S	1x500		Available					Aug'21	Award placed in Jul'19. Engg. under progress.
	Extn. at 400/220 KV Itarsi S/S	1x500		Available					Aug'21	Award placed in Jul'19. Engg. under progress.
	SOUTHERN REGION									
34	Kudankulam - APP Transmission System		PGCIL					Sep'18/ Jun'19	Dec'19	Matching with Edamon-Muvattupuzha line.
	400/220 KV Muvattapuzha S/S	2x315		Acquired	Compltd	Compltd	Compltd		Nov'11	Commissioned.
	Ext. 400 KV North Trichur (PG)			Available	Compltd	Compltd	Compltd		Nov'11	Commissioned.
	400/220 KV Tirunelveli Sub station	2x315		Acquired	Compltd	Compltd	Compltd		Apr'09	Commissioned
	Extn. 400/220 KV Udumalpet (PG)	1x315		Acquired	Compltd	Compltd	Compltd		Nov'09	Commissioned

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. 400/220KV Trivandrum (PG)	1x315		Acquired	Compltd	Compltd	Compltd		Apr'08	Commissioned
35	System Strengthening - XIII of SR Grid		PGCIL					Dec'18/ Sep'19	Feb'20	Project Completed.
	400/220KV Madhugiri Sub station	2x500		Available	Compltd	Compltd	Compltd		Nov'15	Sub station commissioned in Nov'15.
	Extn. at 400/220KV Gooty S/stn.			Available	Compltd	Compltd	Compltd		Nov'15	Commissioned in Nov'15.
	Extn. at 400/220KV Yelahanka GIS S/s.			Available	100%	100%	100%		Feb'20	1 bay commissioned in Dec'19. 2nd bay commissioned in Feb'20.
36	System Strengthening in Southern Region - XXIII		PGCIL					Jun'19	Jan'20	
	Extn. at 400/220KV Madurai Sub station	500		Available	Compltd	Compltd	Compltd		Dec'16	Commissioned in Dec'16.
	Extn. at 400/220KV Somanhalli S/stn. (Replacement of 7x167MVA ICT's at 2x500MVAR)			Available	Compltd	Compltd	Compltd		Mar'17	Commissioned in Mar'17.
	Extn. at 400KV bus Reactor at Gooty, Hassan, Khammam, Trivandrum, Nellore (existing), Narendra and Nagarjunsagar S/stn. (1x125 MVAR Bus Reactor)			Available	Compltd	Compltd	Compltd		Mar'17	All extns. Commissioned progressively from Dec'16 to Mar'17.
	Procurement of 02 nos. 500MVA, 765/400KV Spare Transformers (Raichur & Thiruvalam S/S).			Available					Aug'18	
	Extn. at 400KV bus Reactor at Yelahanka S/stn. (2x63 MVAR)			Available	100%	100%	100%		Jan'20	As per 40th meeting of Standing Committee of Power System held on 19.11.16, new scope included under the project. 1 reactor charged in Dec'19 & 2nd reactor charged in Jan'20.
37	System Strengthening in SR - XXI		PGCIL					Mar'19	Dec'19	
	STATCOM in 400/220KV Hyderabad S/S.	-		Available	100%	100%	100%		Sep'19	Commissioned.
	STATCOM in 400/220KV Udumalpet S/S.	-		Available	100%	100%	100%		Dec'19	Charged in Dec'19.
	STATCOM in 400/220KV Trichy S/S.	-		Available	100%	100%	100%		Dec'19	Charged in Dec'19.
38	S/S work associated with Strengthening of Trans. System beyond Vemagiri.		PGCIL					Apr'19	Jan'20	Project Completed.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn at 765KV Vemagiri Pooling Station - II (along with 2* 240 MVAR LR)			Available	100%	100%	100%		Jan'20	Commissioned in Jan'20.
	Extn at 765KV Cuddapah Sub Station (along with 2*50 MVAR LR , 2* 240 MVAR LR)			Available	100%	100%	100%		Jan'20	Test charged in Jul'19. Commissioned in Jan'20.
	Extn at 400KV Madhugiri Sub Station (along with 2* 50 MVAR LR)			Available	Compltd	Compltd	Compltd		Feb'19	Charged in Feb'19.
	Extn at 400KV Srikakulam Sub Station			Available	Compltd	Compltd	Compltd		Aug'18	Commissioned in Aug'18.
39	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-A)		PGCIL					Jan'19/ Sep'19/ Apr'20	Mar'20	
	Extn at 400/220KV Tumkur (Pavagada) Pooling Station & 400 KV 125 MVAR BR	2x500		Available	100%	100%	100%		Jun'19	1 ICT charged in Mar'19 & 2nd ICT charged in Apr'19. 125 MVAR BR charged in Jun'19.
	Extn at 400/220KV Tumkur (Vasantnarsapur) Sub Station	1x500		Available	100%	100%	100%		Jun'19	Charged.
	Extn at 400/220KV Mysore Substation (2 nos. 400 KV Line bays with 2x80 MVAR Reactor)			Available	99%	99%	99%		Mar'20	Line Reactors charged as Bus Reactors in Dec'19. Commissioning matching with line.
40	S/S work associated with Additional Inter-Regional AC link for Import in to Southern Region i.e. Warora-Warangal and Chilakaluripeta-Hyderabad-Kurnool 765KV Link.		PGCIL					Nov'19	Nov'19	
	Extn at 765/400KV Hyderabad (Maheshwaram) GIS S/S (4 nos. 765 KV line bays for TBCB line)			Available	100%	100%	100%		Nov'19	Bays charged in Nov'19. However, readiness of associated TBCB line is critical.
	Extn at 765/400KV Kurnool S/S (2 nos. 765 KV line bays for TBCB line with 2x240 MVAR LR)			Available	100%	100%	100%		Nov'19	Associated TBCB line yet to be ready. Line Reactors charged as Bus Reactors in Mar'19. Readiness of associated TBCB line is critical.
	Extn at 765/400KV Warangal S/S (2 nos. 400 KV bays for TBCB line)			Available	100%	100%	100%		Nov'19	Bays charged in Nov'19. However, readiness of associated TBCB line is critical.
41	Installation of Bus Reactors at Cuddapah, Nellore, Kurnool, Raichur and Tiruvalam		PGCIL					Jun'19	Jun'19	Project Completed.
	Extn at 400/220KV Cuddapah Sub station.			Available	Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18
	Extn at 765/400KV Kurnool Sub station.			Available	Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18
	Extn at 765/400KV Nellore PS.			Available	Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn at 765/400KV Raichur Sub station.			Available	Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18
	Extn at 765/400KV Thiruvallam Sub station (2x240 MVAR BR with associated bays)			Available	100%	100%	100%		Jun'19	Charged.
42	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-III : Pugalur - Trichur 2000 MW VSC based HVDC System		PGCIL					Apr'20	Apr'20	Compln Sch. : 38 months from IA. (ADB Funded).
	+/- 320KV VSC based HVDC Terminal at Pugalur (2000MW)	2000MW		Acquired	74%	83%	64%		Apr'20	Work under progress.
	+/- 320KV VSC based HVDC Terminal at North Trichur (2000MW)	2000MW & 630		Acquired	69%	79%	63%		Apr'20	Work under progress.
43	Transmission System for evacuation of power from Neyveli Lignite Corp. Ltd. TS-1 (Replacement) (NNTPS) in Neyveli, Tamil Nadu.		PGCIL					Jul'19	Mar'20	Compln. Sch. - 13-26 months from IA or matching with Generation.
	Extn at 400KV Ariyalur (Villupuram) S/stn. (TANTRANSCO) scope (2 nos. 400 KV line bays)			Available					Mar'20	Deposit work by TANTRANSCO. Expected to be delayed.
44	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part-B)		PGCIL					Feb'19/ Dec'19/ May'20	May'20	Compln. Sch. - 21 months from IA . ADB Funded
	Extn at 400/220KV Tumkur (Pavagada) Pooling Station (2 nos. 400 KV line bays)			Available	100%	99%	99%		May'20	Commissioning matching with line.
	Extn at 400/220KV Devanahally (KPTCL) Sub Station (2 nos. 400 KV line bays)			Available					May'20	Deposit work by KPTCL.
45	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-II : AC System Strengthening at Pugalur end.		PGCIL					Feb'20/ Sep'20	Jun'20	Compln. Sch. - 30 months from IA . ADB / AIIB funded
	Extn at 400KV Pugalur GIS (8 nos. 400 KV line bays)			Available	98%	98%	95%		Jun'20	Award placed in Dec'17. Work under progress.
	Extn at 400KV Pugalur (Existing) Sub Station (2 nos. 400 KV line bays)			Available	99%	99%	98%		Mar'20	Award placed in Dec'17. Work under progress.
	Extn at 400KV Arasur Sub Station (2 nos. 400 KV line bays)			Available	99%	99%	98%		Mar'20	Award placed in Dec'17. Work under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn at 400KV Thiruvallam Sub Station (2 nos. 400 KV line bays)			Available	97%	94%	90%		Jun'20	Award placed in Dec'17. Work under progress.
	Extn at 400KV Udumulpet Sub Station (2 nos. 400 KV line bays)			Available	96%	96%	90%		Jun'20	Award placed in Dec'17. Work under progress.
	Extn at 400KV Edayarpalayam (TANTRANSCO) Sub Station (2 nos. 400 KV line bays)			Available					Jun'20	Deposit work basis.
46	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-C)		PGCIL					Sep'19	Sep'19	Project Completed.
	Extn. At 400/220KV Tumkur (Pavagada) S/stn. (Fixed Series Capacitor (40%) on 400KV Tumkur (Pavagada) - Tumkur (Vasantnarsapura) line at Tumkur PS end.)			Available	100%	100%	100%		Sep'19	Commissioned.
47	Southern Region System Strengthening - XXVI		PGCIL					Mar'21	Mar'21	
	Part-A: Extn. at 400/220 KV Cochin S/S (East) (2 nos. 220 KV line bays for termination of Cochin East (Pallikkara)-Aluva 220 KV D/C line, to be implemented by KSEBL)			Available	25%	10%		Dec'20	Dec'20	Awarded in Jul'19. Engg. & Civil work in progress.
	Part-B: Extn. at 400/220 KV Kozhikode S/S (2 nos. 400 KV line bays for termination of North Trissur (Madakkathara)-Kozhikode (Areekode) 400 KV (Q) D/C line, to be implemented by KSEBL)			Available	25%	10%		Mar'21	Mar'21	Awarded in Jul'19. Engg. & Civil work in progress.
48	Southern Region System Strengthening - XXV		PGCIL					Jul'21	Jul'21	
	Augmentation of Transformation Capacity at 400/200 KV Gajuwaka S/S	500		Available	8%				Jul'21	Awarded in Jul'19. Engg. & Civil work in progress.
	Extn. at 400/220 KV Hosur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	10%				Jul'21	Awarded in Jul'19. Engg. & Civil work in progress.
	Extn. at 400/220 KV Madhugiri S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	12%				Jul'21	Awarded in Jul'19. Engg. & Civil work in progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 400/220 KV Dharampuri S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	10%				Jul'21	Awarded in Jul'19. Engg. & Civil work in progress.
	Extn. at 400/220 KV Hiriya S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	8%				Jul'21	Awarded in Jul'19. Engg. & Civil work in progress.
	Extn. at 400/220 KV Pugalur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available					Jul'21	Awarded in Jul'19. Engg. in progress.
	Extn. at 400/220 KV Pugalur HVDC (GIS) S/S (2x125 MVA, 420 KV BR alongwith associated bays)			Available					Jul'21	Awarded in Jul'19. Engg. in progress.
	EASTERN REGION									
49	Eastern Region Strengthening Scheme-V		PGCIL					Dec'18/ Aug'19	Mar'20	
	400/220KV Rajarhat S/Stn. (GIS)	2x500		Acquired	100%	100%	100%		Mar'20	Land acquired in Feb'14. work resumed in Oct/Nov'17 but again stalled from 01.12.17 due to protest by locals. Work re-started on 14.08.18 with the help of local administration but severe ROW in line affecting completion. 1 ICT charged in Feb'19. ICT-II commissioned in Aug'19. Line bays also ready, commissioning matching with balance portion of Rajarhat-Purnea line.
	Extn at 400KV Purnea S/stn. (2x80MVAR L/R)			Available	Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18
	Extn at 400KV Farakka S/stn.			Available	Compltd	Compltd	Compltd		Mar'17	Commissioned in Mar'17.
	Extn at 400KV Gokarna S/stn.			Available	Compltd	Compltd	Compltd		Mar'17	Commissioned in Mar'17.
50	Eastern Region Strengthening Scheme-IX		PGCIL					Sep'18/ Apr'19/ Jun'19	Jun'19	Project Completed.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Installation of 125 MVAR Bus Reactor at Gazwaka (1 no.), Rengali (2 nos.), Maithon (1 no.), Biharshariff (1 no.), Jamshedpue (2 nos.), Rourkela (1 no.) and Durgapur (2 nos.) Converting 2x80 MVAR LR at Gorakhpur end of Barh-II - Gorakhpur 400KV D/C line to 2x80MVAR Switchable LR.			Available	Compltd	Compltd	Compltd		Jan'18	IIInd Reactor at Durgapur charged in Dec'16. Line Reactor at Gorakhpur commissioned in Feb'17 & BR at Rengali & Gazwaka in Aug'17. Rengali (2 nos. BR commissioned in Aug'17. Extn. at Biharshariff in Oct'17. Extn. at Jamshedpur commisisoned in Nov'17. BR at Rourkela commissioned in Jan'18.
	ICT at 400/220KV at Muzaffarpur S/S.	500		Available	Compltd	Compltd	Compltd		Dec'15	Commissioned in Dec'15.
	ICT at 220/132KV at Ara S/stn.	160		Available	Compltd	Compltd	Compltd		Dec'15	Commissioned in Dec'15.
	Repl. 2 nos. ICT's, 500MVA to 315 MVA at 400/220KV Maithon S/stn.	370		Available	Compltd	Compltd	Compltd		Oct'17	ICT-I commissioned in Sep'16 & ICT-II in Oct'17.
	Procur. 500MVA ICT at 765/400KV Gaya S/stn.			Available	Compltd	Compltd	Compltd		Jun'19	ICT kept at Ranchi. Charged in Jun'19.
51	Eastern Region Strengthening Scheme-XII		PGCIL					Jun'19/ Dec'19/ Jun'20	Apr'20	
	Installation of 125 MVAR Bus Reactor at Baripada (1 no.) & Maithon (1 no.) with GIS bays. Conversion of 50 MVAR LR, presently installed at Jeerat end of Baharampur - Jeerat 400KV line as BR in parallel with existing BR at Jeerat.			Available	Compltd	Compltd	Compltd		Nov'16	Conversion of Line reactor at Jeerat commissioned in Aug'16, Baripada commissioned in Oct'16 & Maithon in Nov'16.
	Addition of 500MVA ICT at 400/220KV Baripada S/stn.	500		Available	Compltd	Compltd	Compltd		Sep'16	Commissioned in Sep'16.
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Purnea S/stn.	370		Available	Compltd	Compltd	Compltd		Sep'16	ICT- I commissioned in Jul'15 & ICT-II in Sep'16
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Pusali S/stn.	370		Available	100%	100%	100%		Jan'20	ICT- I commissioned in Mar'16. ICT-II commissioned in Jan'20.
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Patna S/stn. & 3rd new ICT 500MVA Installation	870		Available	100%	100%	100%		Feb'19	ICT-I commissioned in Sep'16. 3rd ICT added as per MoP order no; 15/2/2017 (Part-I)- Trans. dated 10.01.18. 3rd ICT commissioned in Feb'18. ICT -II charged in Feb'19

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Shifting of 1x315MVA 400/220KV ICT from any suitable location (after replacement by 1x500MVA & install it at 400/220KV Jamshedpur S/S. as 3rd ICT alongwith associated bays.	315		Available	Compltd	Compltd	Compltd		Dec'17	Commissioned in Dec'17.
	Shifting of 1x315MVA 400/220KV ICT from any suitable location (after replacement by 1x500MVA & install it at 400/220KV Farakka S/S. as 2nd ICT alongwith associated bays.	-		Available	85%	75%	60%		Apr'20	Supply, civil work & erection under progress. Shifted from Pasuali ICT was held up at bridge near Farakka. Permission to cross bridge refused by MoST, W.B. ICT was delivered to Durgapur. *Scope was earlier proposed to be deleted from scheme. Now transporation via different route & commissioning at Farakka taken up. Awarded to CGL in Apr'19.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Siliguri S/stn.	60		Available	Compltd	Compltd	Compltd		Jan'16	Commissioned in Jan'16.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Purnea S/stn.	60		Available	Compltd	Compltd	Compltd		Feb'16	Commissioned in Feb'16.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Birpara S/stn.	60		Available	Compltd	Compltd	Compltd		Dec'15	Commissioned in Dec'15.
	Modification of 132KV Bus arrangement at 220/132 KV Siliguri & Purnea S/stn. with GIS bays.	-		Available	Compltd	Compltd	Compltd		Mar'18	Siliguri commissioned in Nov'16 & balance commissioned in Mar'18.
	02nos. 500MVA, 765/400KV Spare Transformers in ER.	-							Sep'18	01 ICT received at Angul received in Sep'17 & 2nd ICT commissioned at Jharsuguda in Sep'18.
	Const. of 4 nos 220KV GIS line bays at Kishanganj S/stn.	-		Available	Compltd	Compltd	Compltd		Oct'16	Commissioned in Oct'16.
52	Eastern Region Strengthening Scheme-XV		PGCIL					Apr'18/ Jan'20	Apr'20	Agreement between WBSETCL & PGCIL signed on 22.08.17.
	Extn at 400/220KV at Farakka S/stn.			Available	Compltd	Compltd	Compltd		Aug'18	Bay commissioned in Aug'18.
	Extn at 400/220KV at Sagardighi S/stn.			Available	Compltd	Compltd	Compltd		Aug'18	Bay commissioned in Aug'18.
	Extn at 400/220KV at Jeerat S/stn.			Available	85%	80%	70%		Apr'20	Work to be executed by WBSETCL on deposit basis. Awarded to JV of M/s Techno & Xian in Nov'18. Work under progress.
	Extn at 400KV at Baharampur S/stn.			Available	Compltd	Compltd	Compltd		Aug'18	Bay commissioned in Aug'18.
	Extn at 400KV at Subhashgram S/stn.			Available	Compltd	Compltd	Compltd		Mar'18	Commissioned in Mar'18.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
53	Powergrid Works associated with Common Trans. System for Phase-II Gen. Proj. in Odisha.		PGCIL					Apr'19	Nov'19	Compln Sch.- 36 months from IA. (02 nos 400KV bay under TBCB) - 16 months from IA.
	Extn. at 765/400KV Jharsuguda S/stn. (Sundargarh) with split Bus Arrangement	2x1500		Available	100%	100%	100%		Nov'19	Commissioned.
54	Associated Transmission System for NABINAGAR -II TPS.							Jun'19	Jul'19	Project Completed.
	Extn. at 765/400KV at Gaya S/stn. alongwith 765/400KV ICT.	1x1500		Available	Compltd	Compltd	Compltd		Jan'19	Commissioned.
	Extn. at 765/400KV at Gaya S/stn. for Nabinagar-Gaya line	-		Available	Compltd	Compltd	Compltd		Mar'18	Commissioned in Mar'18.
	Extn. at 765/400KV at Patna S/stn.	-		Available	Compltd	Compltd	Compltd		Jul'19	Commissioned.
55	Eastern Region Strengthening Scheme-XVII (Part-B)		PGCIL					Jun'19	Jun'20	
	Extn. at 400/220KV Gaya S/stn.	500		Available	Compltd	Compltd	Compltd		Jan'19	Commissioned.
	Extn. at 400/220KV New Siliguri S/s (3rd ICT)	315		Available	97%	100%	90%		Mar'20	Award placed in Jun'17. Work under progress.
	Extn. at 400/220KV Durgapur S/stn. (3rd ICT)	315		Available	100%	100%	100%		Jun'19	Charged in Jun'19.
	Extn. at 400/220KV Jeypore S/stn.	630		Available	80%	80%	50%		Jun'20	Award placed in Mar'17. Work under progress.
	Extn. at 400/220KV Rourkela S/stn.	630		Available	90%	90%	70%		Mar'20	Award placed in Mar'17. Work under progress.
	Repl. of 400/220KV Malda S/st. (2x315MVA to 2x500 MVA)	370		Available	80%	90%	55%		Mar'20	Award placed in Mar'17. Shutdown awaited.
	Extn. at Maithon (PG) and Maithon (RB)			Available	80%	90%	60%		Mar'20	Work under progress.
	Bypassing arrangement of LILO of 400KV lines at Angul.			Available	100%	100%	100%		Feb'20	Charged in Feb'20.
56	Eastern Region Strengthening Scheme- XVIII		PGCIL					Jul'20	Jul'20	
	Extension at 765kV Ranchi (New) S/s			Available	95%	90%	90%		Jul'20	Work under progress.
	Extension at 400kV Subhashgram (New) S/s			Available	95%	90%	60%		Jul'20	Work under progress.
57	400KV D/C Baharampur (PG) - Bheramera (B'desh) line (IInd Ckt) - India portion		PGCIL					Feb'20	Mar'20	
	Extn. at 400KV Baharampur S/stn.	-		Available	95%	95%	95%		Mar'20	Award placed in April'18. Civil & Erection work under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
58	PG work associated with immediate evacuation for North Karanpura Gen. Proj. of NTPC.		PGCIL					Sep'19	Sep'19	Compln. Sch. - Sep'17 & Sep'19 matching with TBCB lines. Commissioning matching with TBCB line.
	Extn. at 400/220KV Gaya S/stn.	-		Available	100%	100%	100%		Sep'19	Bays are ready for charging.
	Extn. at 400/220KV Chandwa (Jharkhand Pool) GIS	-		Available	100%	100%	100%		Sep'19	Work completed. Bays are ready for charging. However, work not started on TBCB line.
59	Eastern Region Strengthening Scheme - XX		PGCIL					May'20	May'20	Compln. Sch. - 30 months from IA
	Extn. at 400/220KV Biharshariff S/Stn.	500		Available	100%	100%	100%		Sep'19	Commissioned.
	Extn. at 400/220KV Maithon S/Stn.	500		Available	90%	90%	90%		May'20	Award placed in Dec'17. Work under progress.
	Extn. at 400/132KV Banka S/Stn.	315		Available	100%	100%	100%		Dec'19	Commissioned.
	Extn. at 400/132KV Lakhisarai S/Stn.	315		Available	100%	100%	100%		Dec'19	Commissioned.
	Extn. at 220/132KV Rangpo S/Stn.	100		Available	95%	90%	80%		May'20	Award placed in Dec'17. Work under progress.
	Repl. 220/132KV 50MVA to 160MVA at Malda S/stn.	110		Available	100%	100%	100%		Oct'19	Commissioned.
	Extn. at 220KV Biharshariff (BSPTCL) S/S.	-		Available	100%	100%	100%		Sep'19	Commissioned.
	Extn. at 400/220KV New Siliguri S/s	-		Available	60%	80%	50%		May'20	Award placed in Dec'17. Work under progress.
	Extn. at 400KV Subhashgram S/Stn.	-		Available	100%	100%	100%		Jan'20	Commissioned.
	Extn. at 765/400KV Ranchi (New) S/Stn.	-		Available	95%	95%	95%		May'20	Award placed in Dec'17. Work under progress.
	Extn. at 400/220KV New Purnea S/Stn.	-		Available					May'20	Award placed in Dec'17. Work under progress.
	Extn. at 220/132 KV Purnea S/Stn.	-		Available	100%	100%	100%		Feb'20	Charged in Feb'20.
	NORTH EASTERN REGION									
60	North Eastern Region Strengthening Scheme -III		PGCIL					Dec'17/ Jun'18	Mar'20	
	2nd ICT at 400/220KV Bongaigaon S/s.	315		Available	Compltd	Compltd	Compltd		Apr'19	Commissioned.
	Repl. of 220/132KV 1x50 MVA to 1x160 MVA at Kopili S/stn.	110		Available	90%	85%	75%		Mar'20	Substation submerged due to bursting of penstock of Kopili HEP.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Repl. of 220/132KV 2x50 MVA to 2x160 MVA at Balipara S/stn.	220		Available	80%	75%	65%		Mar'20	ICT-I commissioned in Sep'17. ICT-II damaged during transportation, being taken back to factory for repairing.
	Extn. of 220KV Salakati S/stn.			Available	Compltd	Compltd	Compltd		Apr'19	Commissioned.
61	North Eastern Region Strengthening Scheme -IV		PGCIL					May'18/ Mar'19	Aug'19	Project Completed.
	Dismantling/Removal of 4x105 MVA ICT at 400/220KV Misa S/stn. & addition of 2x500MVA ICT.	685		Available	Compltd	Compltd	Compltd		Aug'19	ICT-I commissioned in Mar'19. ICT-II commissioned in Aug'19.
	Extn at 400/220KV at Balipara & Bongaigaon (PG) (1x125MVAR Bus Reactor)	-		Available	Compltd	Compltd	Compltd		Aug'18	Extn. at Bongaigaon commissioned in Jul'18 & Balipara in Aug'18.
	Up-grading of 132/33KV Imphal S/stn. to 400/132KV, (Installation of 7x105 MVA ICT's & 80 MVAR Bus Reactor.	630		Available	Compltd	Compltd	Compltd		Jan'19	ICT-I commissioned in Dec'18 by charging of Silchar-Imphal ckt-II on 400 KV. ICT-II, BR & ckt-I commissioned in Jan'19.
	Extn at 400/132KV of Silchar Sub station (PG) including 125 MVAR Bus Reactor.	-		Available	Compltd	Compltd	Compltd		Jan'19	Bus Reactor & Silchar-Imphal ckt-II commissioned in Dec'18. Ckt-I commissioned in Jan'19.
62	PG works associated with North Eastern Region Strengthening Scheme -V		PGCIL					Apr'20	Apr'20	
	Extn. at 400/220KV Silchar Sub station				65%	45%	40%		Apr'20	Civil work & Erection under progress.
63	PG works associated with North Eastern Region Strengthening Scheme -VI		PGCIL					Jul'20	Jul'20	
	Extn. at 400/220KV Misa & Imphal Sub station			Available	50%	35%	25%		Jul'20	Civil work & Erection under progress.
	Extn. 400/220KV New Mariani Sub station	2x500		Available	60%	40%	25%		Jul'20	Civil work & Erection under progress.
64	PG works associated with North Eastern Region Strengthening Scheme -II (Part-B)		PGCIL					Sep'20	Sep'20	Completion Sch. - 20 months to 28 months from IA.
	Extn. at 400/132KV Biswanath Chariyali S/stn.			Available	80%	75%	50%	Jan'20	Mar'20	Civil work & Erection under progress.
	Extn. at 400/220 KV Silchar GIS S/stn.			Available	55%	40%	30%		Sep'20	Civil work & Erection under progress.
	Extn. at 400/220 KV Misa GIS S/stn.			Available	50%	40%	30%		Sep'20	Civil work & Erection under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
65	North Eastern Region Strengthening Scheme-VIII		PGCIL					Mar'21	Mar'21	
	Mokokchung (PG) GIS S/S (220/132 KV, 30 MVA 3rd ICT alongwith associated bays)	3x10		Available	7%				Mar'21	Award placed in Nov'18. Engg. in progress.
	Dimapur (PG) GIS S/S (Repl. Of 220/132 KV, 4x33.33 single ph. ICT by 1x160 MVA 3-ph. Unit, Addn. of new 200/132 KV 1x160 MVA 3-ph. ICT & associated bays, conversion of switchyard and Bus Bar scheme etc.)	60 1x160		Available					Mar'21	Award placed in Nov'18. Engg. in progress.
	Jiribam (PG) GIS S/S (upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)			Available	7%				Mar'21	Award placed in Nov'18. Engg. in progress.
	Aizwal (PG) GIS S/S (upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)			Available					Mar'21	Award placed in Nov'18. Engg. in progress.
	Kumarghat (PG) GIS S/S (upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)			Available	12%				Mar'21	Award placed in Nov'18. Engg. in progress.
	Haflong (PG) GIS S/S (upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)			Available	10%				Mar'21	Award placed in Nov'18. Engg. in progress.
	TBCB Project - Sub station									
1	<u>Beyond Vemaqiri Transmission System</u>		PGCIL					Apr'19	Jan'20	Project Completed.
	765/400KV Chilakularipeta Sub station	2x1500		Acquired	Compltd	Compltd	Compltd		Jan'20	Test charged in Mar'19. 2 nos. 400 KV line bays commissioned on 31.07.19. Substation along with ICTs commissioned in Jan'20.
	400KV Satenapalli (Narasaraopeta) & Garividi (AP) Sub station			Acquired	Compltd	Compltd	Compltd		Jul'19	Garividi commissioned in Aug'18. Satenpalli commissioned on 31.07.19.
2	<u>Eastern Region strengthening Scheme - XVIII</u>		PGCIL					Jul'20	Jul'20	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	765/400KV Medinipur Sub station (7x500)	2x1500		Acquired	85%	90%	37%		Jul'20	Work was stopped from Nov'19 - Dec'19 due to agitation by local tribals. Restarted slowly from 10.12.19.
	765/400KV Jeerat (New) Sub station (7x500)	2x1500		Acquired	42%	90%	17%		Jul'20	Award placed in Sep'17. Work under progress.
	Extn. at 400KV Jeerat S/stn (WBSETCL)			Available	85%	92%	20%		Jul'20	Agreement with WBSETCL signed . (To be executed by WBSETCL). Work under progress.
3	<u>Eastern Region strengthening Scheme - XXI</u>		PGCIL					Mar'21	Mar'21	
	400/220/132KV Sitamarhi Sub station	2x500 & 2x200		Acquired	45%	85%	12%		Jan'21	Work was stalled due to heavy rain & flood.
	400/220/132KV Chandauti Sub station	3x500 & 3x200		Acquired	80%	78%	30%		Mar'21	Award placed in Mar'18. Civil works in progress.
	400/220/132KV Saharsa Sub station	2x500 & 2x200		Under acq.	28%	36%			Mar'21	Work was stalled due to heavy rain & flood.
	Extn. at 400KV Darbhanga S/stn			Available	90%	80%	40%		Jan'21	Award placed in Feb'18. Civil works in progress.
	Extn. at 400KV Motihari S/stn	315		Available	85%	80%	40%		Jan'21	Award placed in Feb'18. Civil works in progress.
4	<u>Transmission System associated with LTA application from Rajasthan SEZ (Part -A)</u>							Dec'20	Dec'20	
	2 nos 765kV line bays (AIS) at Ajmer (PG) S/s for Ajmer (PG) –Phagi (RVPN) 765kV D/c line.			Available					Dec'20	
	01 no of 765kV bay (AIS) & 01 complete GIS DIA 765kV (2 main Breakers & 1 Tie Breaker) at Phagi S/S for Ajmer (PG) – Phagi (RVPN) 765kV D/c line.			Available	2%				Dec'20	
5	<u>Transmission System associated with LTA application from Rajasthan SEZ (Part -B)</u>							Dec'20	Dec'20	
	2 nos of 765kV bays each at Fatehgarh-II and Bhadla-II S/s for Fatehgarh-II – Bhadla-II 765kV D/c line.			Available					Dec'20	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
6	<u>Transmission System associated with LTA application from Rajasthan SEZ (Part -C)</u>							Dec'20	Dec'20	
	Establishment of 765/400kV, 2x1500 MVA S/s at suitable location near Khetri with 765kV (2x240MVAR) and 400kV (1x125 MVAR) bus reactor	2x1500		Acquisition under progress					Dec'20	
	400kV line bays at Sikar (PG) for Khetri – Sikar (PG) 400kV D/c line (Twin AL59)			Available					Dec'20	
	765kV bays at Jhatikara for Khetri– Jhatikara 765kV D/c line			Available					Dec'20	
7	<u>Transmission System for providing connectivity to RE Projects at Bhuj-II (2000 MW) in Gujarat</u>							Dec'20	Dec'20	
	Establishment of 765/400/220 KV Bhuj-II Substation (7x500 MVA 765/400 KV & 4x500 MVA 400/220 KV)	2x1500 & 3x500							Dec'20	Award placed. Engg. under progress. Cutting levelling is in progress. Supply of GIS/ off-shore equipments from China may get delayed due to Corona virus outbreak.
8	Creation of new 400 kV GIS substations in Gurgaon area and Palwal as a part of ISTS.		Gurgaon Palwal Transmissi on Ltd.					Sep'19		
	400/220 kV GIS at Kadarpur (Gurgaon)	2x500		100%	100%	100%	100%	May'19		Commissioned 12/19
	400/220 kV GIS at Sohna Road (Gurgaon)	2x500		100%	100%	100%	100%	Sep'19		Electrical Inspection was held on 27-02-2020 and the approval for Energization certificate is expected by 6th Mar 2020
	400/220 kV GIS at Prithala(Palwal)	2x500		100%	100%	100%	100%	May'19		Commissioned 07/19
9	Connectivity system for Khargone TPP. M/s by Khargone. By M/s Sterlite		Khargone Transmissi on Ltd							• Detailed Survey Completed. • EPC Contract awarded for Transmission line and Substation. • Land Acquisition is under process. • Online Proposal for Forest Clearance has been submitted on MoEF & cc Web portal
	765/400 kV Khandwa Pooling Station	2x1500		100%	100%	100%	100%	Jul'19		Severe RoW issue.
10	NER System Strengthening Scheme II. M/s by NER II Transmission Limited. By M/s Sterlite		NER II Transmissi on Limited							Name of the successful Bidder: M/s Sterlite Grid 4 Limited
	400/132 kV Surajmaninagar S/S	2x315		95%	65%	100%	21%	Jul'20		

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	400/132 kV P.K. Bari S/S	2x315		95%	70%	100%	34%	Jul'20		
11	Additional 400kV Feed to Goa and Additional System for Power Evacuation from Generation Projects pooled at Raigarh (Tamnar) Pool		Goa-Tamnar Transmission Project Limited					Nov'21		
	400/220 kV Substation at Xeldem (Goa)	2x500		100%	0%	0%	0%	May'21		
12	Establish Transmission System for 400 kV Udupi (UPCL) – Kasargode D/C Line		Udupi Kasargode Transmission Limited.					Nov'22		
	400/220 kV GIS substation at Kasargode	2x500								
13	Additional inter regional AC link for import into southern region i.e Warora-Warangal and Chilakaluripeta – Hyderabad – Kurnool 765 kV link . By M/s Essel		Warora Kurnool Transmission Ltd.					Nov'19		Land for Warangal Sub-station is identified and land documents are being collected from land owners.
	765/400 kV Substation at Warangal	2x1500		100%	47%	60%		Nov'19		
14	Immediate evacuation for North Karanpura (3x660MW) generation project of NTPC (ERSS-XXIX).		North Karanpura Transco Ltd					23 months from the NOC from CCL		
	400/220 kV Dhanbad s/s	2x500		100%	0%	0%	0%	May'19		• Revised schedule completion date: 18 months from date of NOC from CCL/MoC
15	Transmission System for Ultra Mega Solar Park in Fatehgarh, Distt. Jaisalmer Rajasthan By M/s Adani									
	400 KV Pooling Station At Fategarh			100%	92%	100%	92%	Sep'19		Beneficiary, i.e. Adani Renewable Energy Park Rajasthan Limited (“AREPRL”) has filed a petition in CERC on 02.01.2019 seeking extension of SCOD on account of Force Majeure.
16	Transmission System for Western Region Strengthening Scheme – 21 (WRSS – 21) Part – A – Transmission System Strengthening for Relieving Over Loadings Observed in Gujarat Intra-State System Due to Re-injections in Bhuj PS		WRSS XXI(A) Transco Limited					Dec'20		
	765/400 KV Pooling Station At Lakadia	2X1500						Dec'20		

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
17	Transmission System for Jam Khambaliya Pooling Station and Interconnection of Jam Khambaliya Pooling Station for Providing Connectivity to RE Projects (1500 MW) in Dwarka (Gujarat) and Installation of 400/220 kV ICT along with Associated Bays at CGPL Switchyard		Jam Khambaliya Transco Limited					Mar'21		
	400/220 KV Pooling Station At Jam Khambhaliya (GIS)	4X500		100%				Mar'21		
18	North Eastern Region Strengthening Scheme (NERSS-VI) M/s by Kohima-Mairani Transmission Limited		Kohima-Mairani Trans. Ltd(Kalpat aru)					Jul'20		Succesful Bidder: Kalpataru Power Transmission Ltd.
	400/220 kV Kohima (New) S/S	7x167		100%	90%	100%	95%	Jul'20		