



**Monthly Progress report of Cross border/ Inter-Regional/
Inter–State Transmission Schemes
(As on 31.01.2020)
Government of India
Ministry of Power
Central Electricity Authority
New Delhi**

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Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
	400KV D/C Jigmeling - Alipurduar line (Q) (india Side) *	326	PGCIL	466	351	323	113.3		Mar'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	Dec'19	Completion schedule - 24 months from IA signed with B'desh. Award placed in Mar'18.
B	MULTI REGIONAL SYSTEMS (IR Lines*)									

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1	North East / Northern Western Interconnector -I Project	5103		6563	6310	6078	4519	Mar'22	Mar'22	
	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 Subhansari (Generation sch. uncertain).
	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.

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	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		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.
3	Transmission System Strengthening in Indian System for Transfer of Power from Mangdechhu Hydroelectric Proj, in BHUTAN.	326		466	379	351	130.39	Mar'19/ Dec'19/ Mar'20	Mar'20	
	400KV D/C Jigmeling - Alipurduar line (Q) (India Side) *	326		466	379	351	130.39		Mar'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).

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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	3530.6		4773	4771	4754	3345.2	Nov'19/ May'20	Mar'20	
	+/- 800KV Raigarh (HVDC Stn.) - Pugalur (HVDC Stn.) HVDC Bipole link *	3530.6		4773	4771	4754	3345.2		Mar'20	Progress slow in Tamil Nadu due to severe ROW. Efforts are being made to resolve the issue 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.
5	Green Energy Corridor ISTS - Part -D	1278		1731	1731	1723	1215	May'19/ Jan'20	Feb'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	980	671		Feb'20	Defence aviation clearance received for revised route on 23.04.19. Some foundation abandoned & towers dismantled due to re-routing.
	LILO of 01 ckt of 400KV Bhadla (RVPN) - Bikaner (RVPN) D/C line at Bikaner (NEW)	18		26	26	26	18		Jul'19	Commissioned.
C	INTERSTATE TRANSMISSION									
i.	<u>NORTHERN REGION</u>									
6	Northern Region System Strengthening Scheme - XXX	636		1087	1087	1087	636	Sep'18/ Sep'19	Oct'19	
	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.

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	400KV D/C Allahabad - Kanpur line	481		652	652	652	481		Sep'17	Line commissioned in Sep'17.
7	Transmission System associated with Tehri Pump Storage Plant (PSP)	15		46	42	41	13	Sep'19	Mar'20	
	400KV S/C Tehri Gen. - Tehri Pooling Station (Q)	13		38	34	34	12		Mar'20	04 locations under severe ROW. Line linked with Tehri Generation (expected by Dec' 20). Work started on 2 locations.
	Charging of Tehri Pooling - Meerut 765KV line	2		8	8	7	1		Mar'20	Being expedited for system improvement .
8	Transmission System associated with Kishanganga HEP	317		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.
9	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)	137		130	106	83	56	Jun'19	Mar'20	
	LILO of both ckt of Bawana - Mandola 400KV D/C line at Maharanibagh (Multi Ckt tower with twin/HTLS Cond.)	120		89	79	71	56		Mar'20	Forest proposal under DPTA & FCA submitted. Land allocated by DDA for C.A. Approval & tree cutting permission awaited.
	LILO of one ckt of Bamnauli - Jattikalan 400KV D/C line at Dwarka-I (with twin/HTLS Cond.)	17		41	27	12			Mar'20	Forest proposal under FCA & DPTA submitted. Forest approval & tree cutting permission awaited.
10	Transmission System for Solar Power Park at Bhadla, Rajasthan.	393		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.

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11	Northern Region System Strengthening Scheme - XXXV	122		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 & poor performance by executing agency affecting the progress. Executing agency has undergone NCLT and now contract terminated. Balance work awarded in Nov'19.
12	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		56	50	50	42	Feb'19/ Jun'19/ Apr'20	Mar'20	
	220KV D/C UT Chandigarh S/S - Panchkula (PG) S/S line (incl. 9.7 Kms underground cable).	48		56	50	50	42		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.
13	System Strengthening Scheme in Northern Region - XXXVII	69.4		115	65	43	10	Dec'19	Mar'20	
	LILO of both ckt of 400KV Dhauliganga - Bareilly (PG) line at Jauljivi	5.4		13	3				Mar'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	10		Feb'20	Work under progress. Forest clearance awaited.
	Disconnection of 220KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh and connecting it to Jauljivi S/Stn. at 220KV level	48		75	35	16			Mar'20	Stage-I forest clearance received on 31.10.19. Working permission received on 23.12.19.

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14	Transmission System for Solar Energy Zones in Rajasthan	613		845	368	121		Dec'20	Dec'20	
	LILO of both circuits of 765 KV D/C Ajmer-Bikaner line at Bhadla-II PS	527		723	346	121			Dec'20	
	400 KV D/C Bhadla-II PS-Bhadla (PG) line (Twin HTLS)	49		68	12				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	10				Dec'20	
ii	<u>WESTERN REGION</u>									
15	Western Region Strengthening Scheme - V	306		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.

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	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.
16	Transmission System Associated with Mundra Ultra Mega Power Proj.	3639		4927	4927	4927	3560	Dec'18/ Dec'19	Mar'20	
	Part-A - Tr. System of Mundra (UMPP)									
	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.

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	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 by-passing 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	617		Mar'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 thunderstrom and cyclone in Jun'18, about 6 fdn, 11 tower erection & approx. 9 ckm stringing damaged. Rectification work is under progress.
	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.
17	Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.	132		183	183	183	117	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	117		Mar'20	Completion matching with Banaskantha (Radhanesda) S/stn.

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iii	<u>SOUTHERN REGION</u>									
18	Kudankulam - APP Trans. System (Balance lines)	297		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	1st ckt charged in Sep'19. 2nd ckt charged 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.
19	System Strengthening - XIII of SR Grid	549		750	750	750	549	Dec'18/ Sep'19	Feb'20	
	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	Work completed and 1 ckt charged in Dec'19.
20	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-A)	412		565	561	552	390	Jan'19/ Sep'19	Mar'20	
	400KV D/C Hiriya - Mysore line	412		565	561	552	390		Mar'20	ROW problem affecting the progress specially in Mysore area.

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21	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		410	270	203	1	Apr'20	Apr'20	
	320KV HVDC Pugalur - North Trichur (Kerala) line	276		406	266	199			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	
22	Transmission System for evacuation of power from Neyveli Lignite Corp. Ltd. TS-1 (Replacement) (NNTPS) in Neyveli, Tamil Nadu.	154		223	223	221	129	Jul'19	Mar'20	
	400KV D/C NNTPS Sw. Yd. - Ariyalur (Villupuram) line	147		213	213	211	122		Mar'20	ROW issues at Ariyalur end. S/S at Ariyalur being implemented by TANTRANSCO expected to be delayed.
	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).
23	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-B)	312		428	372	352	241	Feb'19/ Dec'19	May'20	
	400KV D/C Tumkur (Pavagada) PS - Devanahally (KPTCL) line - (Q) (139.30 D/C & 13.20 M/C)	312		428	372	352	241		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.
24	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		1692	1179	1000	157	Feb'20	Jun'20	
	400KV D/C Pugalur HVDC Station - Pugalur line (Q)	100		138	138	133	40		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.

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	400KV D/C Pugalur HVDC Station - Arasur line (Q)	118		162	103	75	7		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	805	700	98		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	43	32	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.
	400KV D/C Edayarpalayam (TANTRANSCO)- Udumulpet line (Q)	94		137	90	60			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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iv	<u>EASTERN REGION</u>									
25	Eastern Region Strengthening Scheme-V	963		1344	1342	1342	956	Dec'18/ Aug'19	Feb'20	
	400KV D/C Rajarhat - Purnea line (Triple Snowbird)	881		1219	1217	1217	874		Feb'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 in Jan'19 & remained stopped till date. All work completed except 2 locations.
	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.
	LILO of Subhashgram -Jeerat 400KV S/C line at Rajarhat	8		16	16	16	8		Feb'19	Commissioned in Feb'19.
26	Eastern Region Strengthening Scheme-XV	204		291	289	288	202	Apr'18/ Jan'20	Feb'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.

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
	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	6	5			Feb'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.
27	POWERGRID Works associated with Common Trans. System for Phase-II Gen. Proj. in Odisha.	130		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.
28	Associated Transmission System for NABINAGAR -II TPS.	466		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.
29	Eastern Region Strengthening Scheme-XVII (Part-B)	63					5	Jun'19	Mar'20	
	Re-conductoring of Maithon RB - Maithon 400KV D/C line	63					5		Mar'20	Shutdown awaited.
30	400KV D/C Baharampur (PG) - Bheramera (B'desh) line (IInd Ckt) - India portion	172		247	247	246	156	Feb'20	Feb'20	Work under progress.
31	Eastern Region Strengthening Scheme - XX	222					32	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					30		May'20	Shutdown availed from 01.11.19. Work under progress.

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
	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.
32	TS for transfer of Power from Gen. Proj. in Sikkim to NR/WR (Part-B1)	24		35	12	1		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	12	1			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.
v	<u>NORTH EASTERN REGION</u>									
33	North Eastern Region Strengthening Scheme -IV	16					16	May'18/ Mar'19	Aug'19	Balance elements of S/stn. Extn. pkgs. commissioned progressively by Aug'19.
	Re-conductoring of Agartala GBPP-Agartala (State) 132KV D/C line with HTLS conductor.	16			-	-	16		Feb'18	Line commissioned in Feb'18.
34	PG works associated with North Eastern Region Strengthening Scheme -V	24		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. Engg. in progress.

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
35	PG works associated with North Eastern Region Strengthening Scheme - VI	2		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. Engg. in progress.

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
	TBCB Lines									
1	Beyond Vemagiri Transmission System	1969		2640	2640	2640	1969	Apr'19	Jan'20	Project Completed.
	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	1532	1429	823	Jul'20	Jul'20	
	765KV D/C Ranchi (New) - Medinipur line	538		717	707	699	481		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	435	398	182		Jul'20	Severe ROW being faced. 3 location under court case.
	400KV D/C Jeerat (New) - Subhashgram line	216		320	120	72			Jul'20	Severe ROW being faced.
	400KV D/C Jeerat (New) - Jeerat (WBSETCL) line	50		81	74	70	30		Jul'20	Severe ROW being faced.
	LILO of 400KV D/C both ckt of Chandithala - Kharappur at Medinipur	146		199	196	190	130		Jul'20	Work under progress. ROW being faced.
	LILO of 400KV S/C Jeerat (WBSETCL) - Subhashgram at Rajarhat (PG)	24								Line deleted from scope.

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
3	Eastern Region Strengthening Scheme - XXI	488		669	529	469	165	Mar'21	Mar'21	Compln. Sch:- 38 month from date of SPV (SPV acquired on 12.01.18).
	400KV D/C Darbhanga - Sitamarhi (New) line (Triple Snowbird)	161		220	190	172	64		Jan'21	Progress is getting severely affected due to heavy rain & flood. Severe ROW at 29 locns. near Darbhanga.
	400KV D/C Sitamarhi (New) - Motihari line (Triple Snowbird)	171		229	202	174	70		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 Chandaui	5		9	9	7			Mar'21	
	LILO of bith ckt of Kishanganj - Patna 400KV D/C (Q) line at Saharsa	151		211	128	116	31		Mar'21	Progress is getting severely affected due to water logging.
4	WR - NR Interconnector	379		523	372	324	77	Jul'21	Jul'21	
	765KV D/C Vindhyachal - Varansai line	379		523	372	324	77		Jul'21	Work under progress. Forest clearance of UP portion awaited. Wildlife proposal cleared by NBWL, minutes awaited.
5	Transmission System associated with LTA application from Rajasthan SEZ (Part -A)	270		360	52	7		Dec'20	Dec'20	SPV handed over to POWERGRID on 03.10.2019.
	Ajmer (PG) – Phagi 765kV D/c line	270		360	52	7			Dec'20	
6	Transmission System associated with LTA application from Rajasthan SEZ (Part -B)	370		497	25			Dec'20	Dec'20	SPV handed over to POWERGRID on 16.10.2019.
	Fatehgarh-2 –Bhadla -2 765kV D/c line	370		497	25				Dec'20	
7	Transmission System associated with LTA application from Rajasthan SEZ (Part -C)	444		625	173	21		Dec'20	Dec'20	SPV handed over to POWERGRID on 29.08.2019.
	Khetri– Jhatikara 765kV D/c line	286		404	102	13			Dec'20	
	Khetri – Sikar (PG) 400kV D/c line AL59 (Twin)	158		221	71	8			Dec'20	

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
8	Transmission System for providing connectivity to RE Projects at Bhuj-II (2000 MW) in Gujarat	207		270	3			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	3				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		Received Approval for Energization certificate from Electrical Inspector, CEA on 27-11-2019
	400 kV D/C Kadarpur-Sohna road HTLS line	21		29	29	29	13	Sep'19		1.RoW issue. 2. Environment Pollution Control Authority (EPCA) construction Ban has prevented and unavoidably delayed the construction work
	LILO of Gurgaon – Manesar 400 kV D/C (Q) line at Sohna Road	2		6	6	3		Sep'19		1. Environment Pollution Control Authority (EPCA) construction Ban has prevented and unavoidably delayed the construction work
	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	64	64	30	Jul'19		RoW issues.

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
	765kV D/C Khandwa Pool – Indore line	180		243	243	243	179.4	Jul'19		NH-3 Crossing Approval is pending with NHAI Project Director (PIU-Indore) has forwarded the proposal on 18-09-2019 to Project Director (PIU-Ujjain) for their examination in view of the future requirement as the upcoming DPR of ujjain-Dewas projects is under the jurisdiction of PIU-Ujjain. Project Director (PIU-Ujjain) vide letter dated 30-09-2019 informed that the KTL NH crossing doesn't affect any project of this PIU.CEA vide letter dated 18-10-2019 & 1-11-2019 once again requested RO, Bhopal (NHAI) to kindly issue the NOC for the aforementioned transmission line.
	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 Maharashtra. 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 Proposal has been submitted to MoEF. Approval under Section 164 of Electricity Act, if required, will be processed on fast track.
11	NER System Strengthening Scheme II .		NER II Transmission Limited							

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
	400 kV D/C Surajmaninagar - P. K. Bari line	154		208	146	111	20	Jul'20		Work in progress.
	132 kV D/C AGTPP (NEEPCO) – P.K. Bari (TSECL) line	167		239	173	138	25	Mar'20		The proposal for PLCC Carrier frequency has been submitted to Ministry of Communication (WPC Wing) and the approval is still awaited
	132 kV D/C Biswanath Chariyalli (POWERGRID) – Itanagar line	133.64		211	115	89		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 Silchar (POWERGRID) – Misa (POWERGRID) Quad line	357		487	433	339	124	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	13	2		Mar'20		Work in progress.
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	6			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									SPV has been acquired on 12.09.2019

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
14	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.

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
15	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 detrails 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 12th September to convene a
	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

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
16	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	46	20				• Revised schedule completion date: 23 months from the date of NOC from CCL/MoC (considering receipt of forest approval within 300 days)
	400kV D/C North Karanpura – Chandwa (Jharkhand) Pooling Station line (Q) (including Multi-circuit portion)	102		115	50	35				• Revised schedule completion date: 14 months from the date of NOC from CCL/MoC (considering receipt of forest approval within 200 days)
	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
17	Transmission System for Ultra Mega Solar Park in Fatehgarh, Distt. Jaisalmer Rajasthan By M/s Adani		Fatehgarh Bhadla Transmission Ltd.					Sep'19		

Sl. No.	Name of the Trans line	Length (CKM)	Executing Agency	Progress of Construction				Completion Tgt.		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Latest Approved Schedule	Ant./ Act.	
21	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 Khambaliya PS.									
22	Transmission system strengthening in Indian system for transfer of power from new HEP's in Bhutan.		Alipurduar Transmission Ltd.						Mar'19	
	400 KV D/C Alipurduar (PG) – Siliguri (PG) line	232		321	321	321	229	Mar'19		Severe ROW issues being faced,demanding high compensations.Few landowners have also filed a case in the court of law.
	400 KV D/C Kishanganj (PG) – Darbhanga (DMTCL) line	209		545	545	545	209	Mar'19	Mar'19	Commissioned Mar'19
	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	280	239	96	Jul'20	Jul'20	Severe RoW issues
	400 kV D/c New Kohima -New Mariani line	236		282	255	224	96	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 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						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		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)			Compltd	Compltd	Compltd		Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
	HVDC Rectifire Module at Agra (3000MW)			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		Compltd	Compltd	Compltd		Jan'16	Commissioned in Jan'16.
	Extn. of 400KV Balipara S/Stn.			Compltd	Compltd	Compltd		Sep'15	Commissioned.
	Extn. of 132KV Biswanath Chariyali S/Stn.			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		Compltd	Compltd	Compltd		Jun'12	Commissioned in Jun'12.
	Extn. of 400KV Balipara S/Stn.			Compltd	Compltd	Compltd		Mar'18	Bongaigaon bay commissioned in Oct'14. Balance in Mar'18.
	Extn. of 400KV Bongaigaon S/Stn.			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.			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						Mar'19/ Dec'19	Mar'20	
	Upgradation of +/- 800KV HVDC Converter stn. 3000MW to 6000MW at Champa Stn.	3000		98%	98%	93%		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		98%	98%	91%		Mar'20	Pole-III commissioned in Oct'19. Erection & testing works for Pole-IV under progress.
	Extn. At 400/220KV Kurukshetra S/stn.			Compltd	Compltd	Compltd		Dec'17	Commissioned in Dec'17.
	Extn. At 400/220KV Jind S/stn.			Compltd	Compltd	Compltd		Dec'17	Commissioned in Dec'17.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
3	Transmission System Strengthening in Indian System for Transfer of Power from Mangdechhu Hydroelectric Proj, in BHUTAN						Mar'19/ Dec'19/ Mar'20	Mar'20	
	Extn at 400KV bays at Alipurduar S/stn.			99%	99%	99%		Mar'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						Nov'19/ May'20	Mar'20	
	800KV HVDC Raigarh Station with 6000 MW HVDC Terminal			89%	82%	66%		Mar'20	Work under progress.
	800KV HVDC Pugalur Station with 6000 MW HVDC Terminal			91%	84%	68%		Mar'20	Work under progress.
5	Green Energy Corridor ISTS - Part -D						May'19/ Jan'20	Feb'20	
	765/400KV Bikaner Sub station	2x1500		98%	98%	95%		Feb'20	ICTs commissioned alongwith Ajmer-Bikaner line in Jul'19. Balance work under progress.
	Extn. at 765/400KV Ajmer Sub station			Compltd	Compltd	Compltd		Jul'19	Commissioned.
	Extn. at 765/400KV Moga Sub station			98%	95%	90%		Feb'20	Work under progress.
6	POWERGRID works associated with additional 400 KV feed to Goa						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))			40%			Mar'21	Mar'21	Awarded in Sep'18. Engg. under progress.
	400 KV Extn. at Narendra (New) (Kudgi-GIS) sub station (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)			15%				Sep'21	Awarded in Sep'18. Engg. under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
7	POWERGRID works associated with New WR-NR 765 KV Inter-Regional Corridor						May'21	May'21	
	2 nos. 765 KV line bays at Vindhyachal Pooling Station			60%	25%	5%		May'21	Awarded in Sep'18. Engg. & civil work under progress.
	2 nos. 765 KV line bays along with 2x330 MVAR LR (non-switchable) at Varanasi GIS			38%	18%	6%		May'21	Awarded in Feb'19. Engg. & civil work under progress.
8	System Strengthening Schemes at Tuticorin-II (erstwhile Tirunelveli GIS) and Bhuj PS						Jun'20	Jun'20	Compln Sch. : 15-19 months from IA.
	Part-A: Augmentation at 400/230 KV Tuticorin-II (GIS) S/S (500 MVA 400/220 KV transformer & associated bays (GIS))	500		80%	70%	30%	Feb'20	Mar'20	Awarded in Dec'18. Work in progress.
	Part-B: Augmentation at 765/400/220 KV Bhuj S/S (2x1500 MVA 765/400 KV transformer & 16 nos. bays (AIS:11, GIS:5) 6x500 MVA 400/220 KV transformer)	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.
	NORTHERN REGION								
9	Northern Region System Strengthening Scheme -XXX						Sep'18/ Sep'19	Oct'19	
	Extn. at 400KV Singrauli S/stn. at NTPC Gen. Stn.			100%	100%	100%		Oct'19	Commissioned.
	Extn. at 400/220KV Allahabad S/Stn.			100%	100%	100%		Oct'19	Commissioned.
	Extn. at 765/400KV Kanpur GIS			Compltd	Compltd	Compltd		Sep'17	Commisisoned in Sep'17.
10	Transmission System associated with Tehri Pump Storage Plant (PSP)						Sep'19	Mar'20	
	765/400KV Tehri Pooling Station (GIS)	4x800		94%	94%	72%		Mar'20	Civil work, supply & erection under progress.
	Extn. at 765/400KV Meerut Sub station	1500		99%	98%	96%		Mar'20	Civil work, supply & erection under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
11	Transmission System associated with Kishanganga HEP						Sep'18/ Mar'19/ Jul'19	Jul'19	
	Extn. at 400/220KV Wagoora S/Stn. (PG). (02 nos line bays)	-		100%	100%	100%		Jul'19	Charged.
12	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)						Jun'19	Mar'20	
	Extn. at 400KV bays at Maharanibag S/stn. (in place of 400/220KV Rajghat S/stn. - Anuled)	-		72%	65%	35%		Mar'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		99%	98%	95%		Mar'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.						Jan'19/ Jul'19	Oct'19	Project Completed.
	765/400/220KV Bhadla Sub station	3x1500 3X500		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			100%	100%	100%		Oct'19	Commissioned.
	Extn. at 400/220KV Bhadla (RVPN) Sub station			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.						Feb'19/ Jun'19/ Apr'20	Mar'20	
	220/66KV UT Chandigarh (GIS) Sub station	2x160		98%	95%	92%		Mar'20	Work of down stream line yet to be taken up by UT Chandigarh.
	Extn at 400/220KV Panchkula Sub station	-		98%	98%	98%		Mar'20	Commissioning matching with line.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
15	System Strengthening Scheme in Northern Region - XXXVII						Dec'19	Mar'20	
	400/220KV Jauljivi (GIS) Sub station	7x105		82%	75%	38%		Mar'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	-		90%	90%	90%		Feb'20	Award placed in Mar'17. Cable laying & termination under progress.
16	System Strengthening Scheme in Northern Region - XXXVI						Sep'19	Mar'20	
	Extn. at 400/220KV Koteswar Pooling station	-		50%	22%			Mar'20	Award placed in Mar'17. Engg. & civil work under progress. TBCB line of Essel delayed.
	Extn. at 400/220KV Roorkee Sub station	-		100%	100%	100%		Sep'19	Bays ready for commissioning in Dec'18. Downstream is not available.
17	System Strengthening Scheme in Northern Region - XXXVIII						Jun'19	Dec'19	Project Completed.
	Creation of 400KV level at Aligarh (PG) 765KV GIS Switching Station - Extn.	2x1500		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	-		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						Mar'19	May'19	Project Completed.
	Extn. at 765/400/220KV Fatehpur Sub station	-		Compltd	Compltd	Compltd		May'18	Bay commissioned in May'18.
	Extn. at 400KV Bhinmal Sub station	-		Compltd	Compltd	Compltd		May'19	Bays ready for commissioning in Dec'18. Charged on 21.05.19.
	Extn. at 400KV Sikar Sub station	-		Compltd	Compltd	Compltd		Nov'17	Bay commissioned.
19	Augmentation of Transformation Capacity at Raebareli & Sitarganj 220/132KV S/Stn.						Mar'19	Jun'19	
	Repl. of 2x100MVA ICT's by 2x200MVA 220/132KV ICT's at Raebareli S/stn.	200		Compltd	Compltd	Compltd		Feb'18	ICT-I charged in Nov'17 & ICT-II commissioned in Feb'18.
	Extn. at 220/132KV Sitarganj Sub station	-		100%	100%	100%		Jun'19	Charged.
20	Provision of 400KV Bays at Bhiwani (PG)						Mar'19	Aug'19	Compln. Sch. - 21 month from IA
	Ext. at 400/220KV Bhiwani (PG) S/stn.	-		100%	100%	100%		Aug'19	Bay test charged in Aug'19. TBCB line of Essel delayed.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
21	Implementation of 500 MVAR Thyristor Controlled Reactor at Kurukshetra						Jul'21	Jul'21	Compln. Sch. - 30 months from IA
	500 MVAR Thyristor Controlled Reactor (TCR) at 400 kV Kurukshetra -1 No.			9%				Jul'21	Engg. & civil work under progress.
22	Northern Region System Strengthening - XL						Dec'20	Dec'20	Compln. Sch. - 22 months from IA
	Extn. at 400/220 kV Roorkee	1x500						Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Sonapat	1x500						Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Fatehpur	1x500		2%				Dec'20	Award placed in Aug'19. Engg. & civil work under progress.
	Extn. at 400/220 kV Saharanpur	1x500		2%				Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Bhadla	2x500		2%				Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Lucknow (Repl. of 1x315 MVA ICT by 1x500 MVA ICT)	185						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							Dec'20	Award placed in Aug'19. Engg. under progress.
	Extn. at 400/220 kV Mandola							Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Hissar							Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Sikar							Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Meerut							Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Abdullapur			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)			10%	5%			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.
	Extn. at 400/220 kV Jind							Dec'20	Award placed in Oct'19.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 400/220 kV Fatehabad							Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Kishenpur							Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Jalandhar							Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Amritsar							Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Maharaniabagh							Dec'20	
	Extn. at 400/220 kV Chamera PS							Dec'20	
	Extn. at 400/220 kV Moga							Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Patiala							Dec'20	
23	Northern Region System Strengthening - XLII						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						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		10%				Dec'20	
	Establishment of 765/400 KV Fatehgarh-II PS (1x125 MVar BR & 2x240 MVar BR alongwith associated bays)	3x1500		8%				Dec'20	
	Extn. of 765/400/220 KV Bhadla (PG) S/S	2x500		5%				Dec'20	
	Extn. of 765/400 KV Bhiwani (PG) S/S	1x1000		3%				Dec'20	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
25	Northern Region System Strengthening - XLI						May'21	May'21	
	Extn. at 400/220 kV Chamera Pooling Station (2 nos. 4000 KV line bays (GIS))							May'21	
	WESTERN REGION								
26	Western Region Strengthening Scheme - V						Dec'18/ Apr'19	May'19	
	400/220 KV Navi Mumbai (GIS).	2x315		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.	-		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.	-		Compltd	Compltd	Compltd		Sep'10	Test charged on 15.09.10.
	Ext. 400/220 KV Kudus S/Stn. (MSETCL)	-		Compltd	Compltd	Compltd		Dec'17	Commissioned in Dec'17.
27	Transmission System Associated with Mundra Ultra Mega Power Proj.						Dec'18/ Dec'19	Mar'20	
	400/220 KV Bachchau S/Stn.	2x315		Compltd	Compltd	Compltd		Sep'11	Sub station commissioned with ICT's in Sep'11.
	400/220 KV Navsari GIS S/Stn.	2x315		Compltd	Compltd	Compltd		July'12	Sub station commissioned with both ICT's in July'12.
	Extn. 400KV at Boisar S/Stn.			Compltd	Compltd	Compltd		Dec'16	Commissioned in Dec'16 alongwith line.
	765/400KV Wardha S/Stn.	3x1500		Compltd	Compltd	Compltd		Mar'12	Sub station commissioned alongwith I&II ICT's in Feb'12 & IIIRD ICT in Mar'12

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	400/220 KV Aurangabad S/Stn. & Extn. at 400KV Wardha & Aurangabad (MSETCL) S/stn.	2x315		100%	100%	98%		Mar'20	Sub station commisisedn alongwith both ICT's in Jan'14. Balance works under progress. Commissioning matching with line.
	Extn. 765KV at Seoni & Wardha S/stn.			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.			Compltd	Compltd	Compltd		Nov'11	Charged in Nov'11.
	Extn. 400KV at Ranchorpura S/stn.			Compltd	Compltd	Compltd		Sep'11	Charged in Sep'11.
	Extn. 400KV Jetpur S/stn.			Compltd	Compltd	Compltd		Aug'12	Commissioned in Aug'12.
	40% Fixed Series Compensation on Wardha - Aurangabad 400KV D/C line.			99%	99%	97%		Mar'20	Work under progress. Completion matching with Wardha-Aurangabad line.
28	Western Region Strengthening Scheme - XVIII						Feb'20	Jul'19	Compln Sch. : 36 month from IA.
	Extn. at 765/400KV Dharamjaygarh Pool.	-		100%	100%	100%		Jul'19	Charged in Jul'19.
	Extn. at 765/400KV Raigarh Pool (Kotra).	-		100%	100%	100%		Jul'19	Charged in Jul'19.
	Extn. at 765/400KV Champa Pool .	-		100%	100%	100%		Jul'19	Charged in Jul'19.
29	POWERGRID work associated with Transmission System Strengthening in WR associated with Khargone TPS.						Jul'19	Jul'19	Compln Sch. : Feb'18 to Jul'19 matching with TBCB lines.
	Extn. at 765/400KV Indore Sub station.	-		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.	-		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.						Sep'18/ Sep'19/ Mar'20	Mar'20	Compln Sch. : 16 months from IA.
	Extn. at 765/400KV Banaskantha Sub station.	-		95%	92%	87%		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.						Jun'19/ Sep'19/ Mar'20	Mar'20	Compln Sch. : 18 months from IA.
	400/220KV Banaskantha (Radhanesda) Pooling station GIS	2x500		90%	87%	75%		Mar'20	Work under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
32	Additional system for Power evacuation from Generation projects pooled at Raigarh (Tannar) Pool						May'21	May'21	
	2 nos. 765 KV line bays at Raigarh (Tannar) PG PS (for termination of Dharamjaygarh PS section B-Raigarh (Tannar) PS 765 KV D/C line)			40%	10%			May'21	Awarded in Sep'18. Engg. & civil works under progress.
	2 nos. 765 KV line bays at 765 KV Dharamjaygarh (PG) PS (for termination of Dharamjaygarh PS section B-Raigarh (Tannar) PS 765 KV D/C line)			40%	10%	5%		May'21	Awarded in Sep'18.Engg. & civil works under progress.
33	Western Region System Strengthening - XX						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)							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)							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)							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)							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)							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						Aug'21	Award placed in Jul'19. Engg. under progress.
	Extn. at 400/220 KV Itarsi S/S	1x500						Aug'21	Award placed in Jul'19. Engg. under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	SOUTHERN REGION								
34	Kudankulam - APP Transmission System						Sep'18/ Jun'19	Dec'19	Matching with Edamon-Muvattupuzha line.
	400/220 KV Muvattapuzha S/S	2x315		Compltd	Compltd	Compltd		Nov'11	Commissioned.
	Ext. 400 KV North Trichur (PG)			Compltd	Compltd	Compltd		Nov'11	Commissioned.
	400/220 KV Tirunelveli Sub station	2x315		Compltd	Compltd	Compltd		Apr'09	Commissioned
	Extn. 400/220 KV Udumalpet (PG)	1x315		Compltd	Compltd	Compltd		Nov'09	Commissioned
	Extn. 400/220KV Trivandrum (PG)	1x315		Compltd	Compltd	Compltd		Apr'08	Commissioned
35	System Strengthening - XIII of SR Grid						Dec'18/ Sep'19	Feb'20	
	400/220KV Madhugiri Sub station	2x500		Compltd	Compltd	Compltd		Nov'15	Sub station commissioned in Nov'15.
	Extn. at 400/220KV Gooty S/stn.			Compltd	Compltd	Compltd		Nov'15	Commisisoned in Nov'15.
	Extn. at 400/220KV Yelahanka GIS S/s.			100%	100%	100%		Feb'20	1 bay charged in Dec'19. Completion matching with line.
36	System Strengthening in Southern Region - XXIII						Jun'19	Jan'20	
	Extn. at 400/220KV Madurai Sub station	500		Compltd	Compltd	Compltd		Dec'16	Commissioned in Dec'16.
	Extn. at 400/220KV Somanhalli S/stn. (Replacement of 7x167MVA ICT's at 2x500MVAR)			Compltd	Compltd	Compltd		Mar'17	Commissioned in Mar'17.
	Extn. at 400KV bus Reactor at Gooty, Hassan, Khammam, Trivandrum, Nellore (existing), Narendra and Nagarjunsasar S/stn. (1x125 MVAR Bus Reactor)			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).							Aug'18	
	Extn. at 400KV bus Reactor at Yelahanka S/stn. (2x63 MVAR)			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						Mar'19	Dec'19	
	STATCOM in 400/220KV Hyderabad S/S.	-		100%	100%	100%		Sep'19	Commissioned.
	STATCOM in 400/220KV Udumalpet S/S.	-		100%	100%	100%		Dec'19	Charged in Dec'19.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	STATCOM in 400/220KV Trichy S/S.	-		100%	100%	100%		Dec'19	Charged in Dec'19.
38	S/S work associated with Strengthening of Trans. System beyond Vemagiri.						Apr'19	Jan'20	Project Completed.
	Extn at 765KV Vemagiri Pooling Station - II (along with 2* 240 MVAR LR)			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)			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)			Compltd	Compltd	Compltd		Feb'19	Charged in Feb'19.
	Extn at 400KV Srikakulam Sub Station			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)						Jan'19/ Sep'19	Mar'20	
	Extn at 400/220KV Tumkur (Pavagada) Pooling Station & 400 KV 125 MVAR BR	2x500		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		100%	100%	100%		Jun'19	Charged.
	Extn at 400/220KV Mysore Substation (2 nos. 400 KV Line bays with 2x80 MVAR Reactor)			98%	99%	97%		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.						Nov'19	Nov'19	
	Extn at 765/400KV Hyderabad (Maheshwaram) GIS S/S (4 nos. 765 KV line bays for TBCB line)			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)			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)			100%	100%	100%		Nov'19	Bays charged in Nov'19. However, readiness of associated TBCB line is critical.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
41	Installation of Bus Reactors at Cuddapah, Nellore, Kurnool, Raichur and Tiruvalam						Jun'19	Jun'19	Project Completed.
	Extn at 400/220KV Cuddapah Sub station.			Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18
	Extn at 765/400KV Kurnool Sub station.			Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18
	Extn at 765/400KV Nellore PS.			Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18
	Extn at 765/400KV Raichur Sub station.			Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18
	Extn at 765/400KV Thiruvalem Sub station (2x240 MVAR BR with associated bays)			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						Apr'20	Apr'20	Compln Sch. : 38 months from IA. (ADB Funded).
	+/- 320KV VSC based HVDC Terminal at Pugalur (2000MW)	2000MW		73%	81%	61%		Apr'20	Work under progress.
	+/- 320KV VSC based HVDC Terminal at North Trichur (2000MW)	2000MW & 630		68%	78%	59%		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.						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)							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)						Feb'19/ Dec'19	May'20	Compln. Sch. - 21 months from IA . ADB Funded
	Extn at 400/220KV Tumkur (Pavagada) Pooling Station (2 nos. 400 KV line bays)			100%	99%	99%		May'20	Commissioning matching with line.
	Extn at 400/220KV Devanahally (KPTCL) Sub Station (2 nos. 400 KV line bays)							May'20	Deposit work by KPTCL.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
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.						Feb'20	Jun'20	Compln. Sch. - 30 months from IA . ADB / AIIB funded
	Extn at 400KV Pugalur GIS (8 nos. 400 KV line bays)			96%	96%	92%		Jun'20	Award placed in Dec'17. Work under progress.
	Extn at 400KV Pugalur (Existing) Sub Station (2 nos. 400 KV line bays)			98%	99%	97%		Mar'20	Award placed in Dec'17. Work under progress.
	Extn at 400KV Arasur Sub Station (2 nos. 400 KV line bays)			98%	99%	97%		Mar'20	Award placed in Dec'17. Work under progress.
	Extn at 400KV Thiruvalem Sub Station (2 nos. 400 KV line bays)			97%	94%	90%		Jun'20	Award placed in Dec'17. Work under progress.
	Extn at 400KV Udumulpur Sub Station (2 nos. 400 KV line bays)			96%	96%	85%		Jun'20	Award placed in Dec'17. Work under progress.
	Extn at 400KV Edayarpalayam (TANTRANSCO) Sub Station (2 nos. 400 KV line bays)							Jun'20	Deposit work basis.
46	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-C)						Sep'19	Sep'19	Project Completed.
	Extn. At 400/220KV Tumkur (Pavagada) S/stn. (Fixed Series Capacitor (40%) on 400KV Tumkur (Pavagada) - Tumkur (Vasanthnarsapura) line at Tumkur PS end.)			100%	100%	100%		Sep'19	Commissioned.
47	Southern Region System Strengthening - XXVI						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)			15%	2%		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)			10%	2%		Mar'21	Mar'21	Awarded in Jul'19. Engg. & Civil work in progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
48	Southern Region System Strengthening - XXV						Jul'21	Jul'21	
	Augmentation of Transformation Capacity at 400/200 KV Gajuwaka S/S	500		2%				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)			5%				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)			5%				Jul'21	Awarded in Jul'19. Engg. & Civil work in progress.
	Extn. at 400/220 KV Dharampuri S/S (1x125 MVA, 420 KV BR alongwith associated bays)			5%				Jul'21	Awarded in Jul'19. Engg. in progress.
	Extn. at 400/220 KV Hiriya S/S (1x125 MVA, 420 KV BR alongwith associated bays)			5%				Jul'21	Awarded in Jul'19. Engg. in progress.
	Extn. at 400/220 KV Pugalur S/S (1x125 MVA, 420 KV BR alongwith associated bays)							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)							Jul'21	Awarded in Jul'19. Engg. in progress.
	EASTERN REGION								
49	Eastern Region Strengthening Scheme-V						Dec'18/ Aug'19	Feb'20	
	400/220KV Rajarhat S/Stn. (GIS)	2x500		100%	100%	100%		Feb'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)			Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18
	Extn at 400KV Farakka S/stn.			Compltd	Compltd	Compltd		Mar'17	Commissioned in Mar'17.
	Extn at 400KV Gokarna S/stn.			Compltd	Compltd	Compltd		Mar'17	Commissioned in Mar'17.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
50	Eastern Region Strengthening Scheme-IX						Sep'18/ Apr'19/ Jun'19	Jun'19	Project Completed.
	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.			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 commissioned in Nov'17. BR at Rourkela commissioned in Jan'18.
	ICT at 400/220KV at Muzaffarpur S/S.	500		Compltd	Compltd	Compltd		Dec'15	Commissioned in Dec'15.
	ICT at 220/132KV at Ara S/stn.	160		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		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.			Compltd	Compltd	Compltd		Jun'19	ICT kept at Ranchi. Charged in Jun'19.
51	Eastern Region Strengthening Scheme-XII						Jun'19/ Dec'19/ Jun'20	Mar'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.			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		Compltd	Compltd	Compltd		Sep'16	Commissioned in Sep'16.
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Purnea S/stn.	370		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		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		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

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				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		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.	-		85%	75%	60%		Mar'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		Compltd	Compltd	Compltd		Jan'16	Commissioned in Jan'16.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Purnea S/stn.	60		Compltd	Compltd	Compltd		Feb'16	Commissioned in Feb'16.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Birpara S/stn.	60		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.	-		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.	-		Compltd	Compltd	Compltd		Oct'16	Commissioned in Oct'16.
52	Eastern Region Strengthening Scheme-XV						Apr'18/ Jan'20	Feb'20	Agreement between WBSETCL & PGCIL signed on 22.08.17.
	Extn at 400/220KV at Farakka S/stn.			Compltd	Compltd	Compltd		Aug'18	Bay commissioned in Aug'18.
	Extn at 400/220KV at Sagardighi S/stn.			Compltd	Compltd	Compltd		Aug'18	Bay commissioned in Aug'18.
	Extn at 400/220KV at Jeerat S/stn.			80%	75%	60%		Feb'20	Work to be executed by WBSETCL on deposit basis. Awarded to JV of M/s Techno & Xian in Nov'18. Work under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn at 400KV at Baharampur S/stn.			Compltd	Compltd	Compltd		Aug'18	Bay commissioned in Aug'18.
	Extn at 400KV at Subhashgram S/stn.			Compltd	Compltd	Compltd		Mar'18	Commissioned in Mar'18.
53	Powergrid Works associated with Common Trans. System for Phase-II Gen. Proj. in Odisha.						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		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		Compltd	Compltd	Compltd		Jan'19	Commissioned.
	Extn. at 765/400KV at Gaya S/stn. for Nabinagar-Gaya line	-		Compltd	Compltd	Compltd		Mar'18	Commissioned in Mar'18.
	Extn. at 765/400KV at Patna S/stn.	-		Compltd	Compltd	Compltd		Jul'19	Commissioned.
55	Eastern Region Strengthening Scheme-XVII (Part-B)						Jun'19	Mar'20	
	Extn. at 400/220KV Gaya S/stn.	500		Compltd	Compltd	Compltd		Jan'19	Commissioned.
	Extn. at 400/220KV New Siliguri S/s (3rd ICT)	315		97%	100%	90%		Feb'20	Award placed in Jun'17. Work under progress.
	Extn. at 400/220KV Durgapur S/stn. (3rd ICT)	315		100%	100%	100%		Jun'19	Charged in Jun'19.
	Extn. at 400/220KV Jeypore S/stn.	630		80%	80%	50%		Mar'20	Award placed in Mar'17. Work under progress.
	Extn. at 400/220KV Rourkela S/stn.	630		90%	90%	65%		Feb'20	Award placed in Mar'17. Work under progress.
	Repl. of 400/220KV Malda S/st. (2x315MVA to 2x500 MVA)	370		80%	90%	50%		Feb'20	Award placed in Mar'17. Shutdown awaited.
	Extn. at Maithon (PG) and Maithon (RB)			80%	90%	55%		Feb'20	Work under progress.
	Bypassing arrangement of LILO of 400KV lines at Angul.			100%	100%	98%		Feb'20	Testing under progress. Shutdown awaited.
56	Eastern Region Strengthening Scheme- XVIII						Jul'20	Jul'20	
	Extension at 765kV Ranchi (New) S/s			95%	90%	85%		Jul'20	Work under progress.
	Extension at 400kV Subhashgram (New) S/s			95%	90%	40%		Jul'20	Engg. & civil work under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
57	400KV D/C Baharampur (PG) - Bheramera (B'desh) line (IInd Ckt) - India portion						Feb'20	Feb'20	
	Extn. at 400KV Baharampur S/stn.	-		95%	95%	90%		Feb'20	Award placed in April'18. Civil & Erection work under progress.
58	PG work associated with immediate evacuation for North Karanpura Gen. Proj. of NTPC.						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.	-		100%	100%	100%		Sep'19	Bays are ready for charging.
	Extn. at 400/220KV Chandwa (Jharkhand Pool) GIS	-		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						May'20	May'20	Compln. Sch. - 30 months from IA
	Extn. at 400/220KV Biharshariff S/Stn.	500		100%	100%	100%		Sep'19	Commissioned.
	Extn. at 400/220KV Maithon S/Stn.	500		90%	90%	85%		May'20	Award placed in Dec'17. Work under progress.
	Extn. at 400/132KV Banka S/Stn.	315		100%	100%	100%		Dec'19	Commissioned.
	Extn. at 400/132KV Lakhisarai S/Stn.	315		100%	100%	100%		Dec'19	Commissioned.
	Extn. at 220/132KV Rangpo S/Stn.	100		95%	90%	70%		May'20	Award placed in Dec'17. Work under progress.
	Repl. 220/132KV 50MVA to 160MVA at Malda S/stn.	110		100%	100%	100%		Oct'19	Commissioned.
	Extn. at 220KV Biharshariff (BSPTCL) S/S.	-		100%	100%	100%		Sep'19	Commissioned.
	Extn. at 400/220KV New Siliguri S/s	-		50%	80%	40%		May'20	Award placed in Dec'17. Work under progress.
	Extn. at 400KV Subhashgram S/Stn.	-		100%	100%	100%		May'20	Commissioned.
	Extn. at 765/400KV Ranchi (New) S/Stn.	-		95%	95%	95%		May'20	Award placed in Dec'17. Work under progress.
	Extn. at 400/220KV New Purnea S/Stn.	-						May'20	Award placed in Dec'17. Work under progress.
	Extn. at 220/132 KV Purnea S/Stn.	-		90%	90%	90%		May'20	Award placed in Dec'17. Work under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	NORTH EASTERN REGION								
60	North Eastern Region Strengthening Scheme - III						Dec'17/ Jun'18	Mar'20	
	2nd ICT at 400/220KV Bongaigaon S/s.	315		Compltd	Compltd	Compltd		Apr'19	Commissioned.
	Repl. of 220/132KV 1x50 MVA to 1x160 MVA at Kopili S/stn.	110		90%	85%	75%		Mar'20	Substation submerged due to bursting of penstock of Kopili HEP.
	Repl. of 220/132KV 2x50 MVA to 2x160 MVA at Balipara S/stn.	220		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.			Compltd	Compltd	Compltd		Apr'19	Commissioned.
61	North Eastern Region Strengthening Scheme - IV						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		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)	-		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		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.	-		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						Apr'20	Apr'20	
	Extn. at 400/220KV Silchar Sub station			45%	25%	18%		Apr'20	Civil work & Erection under progress.
63	PG works associated with North Eastern Region Strengthening Scheme -VI						Jul'20	Jul'20	
	Extn. at 400/220KV Misa & Imphal Sub station			45%	30%	22%		Jul'20	Civil work & Erection under progress.
	Extn. 400/220KV New Mariani Sub station	2x500		60%	40%	25%		Jul'20	Civil work & Erection under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
64	PG works associated with North Eastern Region Strengthening Scheme -II (Part-B)						Sep'20	Sep'20	Completion Sch. - 20 months to 28 months from IA.
	Extn. at 400/132KV Biswanath Chariyali S/stn.			65%	55%	30%	Jan'20	Mar'20	Civil work & Erection under progress.
	Extn. at 400/220 KV Silchar GIS S/stn.			45%	32%	25%		Sep'20	Civil work & Erection under progress.
	Extn. at 400/220 KV Misa GIS S/stn.			42%	30%	25%		Sep'20	Civil work & Erection under progress.
65	North Eastern Region Strengthening Scheme-VIII						Mar'21	Mar'21	
	Mokokchung (PG) GIS S/S (220/132 KV, 30 MVA 3rd ICT alongwith associated bays)	3x10		5%				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						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)			5%				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)							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)			10%				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)			8%				Mar'21	Award placed in Nov'18. Engg. in progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	TBCB Project - Sub station								
1	<u>Beyond Vemaqiri Transmission System</u>						Apr'19	Jan'20	Project Completed.
	765/400KV Chilakularipeta Sub station	2x1500		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			Compltd	Compltd	Compltd		Jul'19	Garividi commissioned in Aug'18. Satenpalli commissioned on 31.07.19.
2	<u>Eastern Region strengthening Scheme - XVIII</u>						Jul'20	Jul'20	
	765/400KV Medinipur Sub station (7x500)	2x1500		82%	90%	36%		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		40%	90%	15%		Jul'20	Award placed in Sep'17. Work under progress.
	Extn. at 400KV Jeerat S/stn (WBSETCL)			75%	92%	15%		Jul'20	Agreement with WBSETCL signed . (To be executed by WBSETCL). Work under progress.
3	<u>Eastern Region strengthening Scheme - XXI</u>						Mar'21	Mar'21	
	400/220/132KV Sitamarhi Sub station	2x500 & 2x200		40%	85%	10%		Jan'21	Work was stalled due to heavy rain & flood.
	400/220/132KV Chandauti Sub station	3x500 & 3x200		75%	76%	25%		Mar'21	Award placed in Mar'18. Civil works in progress.
	400/220/132KV Saharsa Sub station	2x500 & 2x200		25%	36%			Mar'21	Work was stalled due to heavy rain & flood.
	Extn. at 400KV Darbhanga S/stn			90%	80%	40%		Jan'21	Award placed in Feb'18. Civil works in progress.
	Extn. at 400KV Motihari S/stn	315		85%	80%	40%		Jan'21	Award placed in Feb'18. Civil works in progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
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.							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.							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.							Dec'20	
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						Dec'20	
	400kV line bays at Sikar (PG) for Khetri – Sikar (PG) 400kV D/c line (Twin AL59)							Dec'20	
	765kV bays at Jhatikara for Khetri– Jhatikara 765kV D/c line							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.
8	Creation of new 400 kV GIS substations in Gurgaon area and Palwal as a part of ISTS.		Gurgaon Palwal Transmission Ltd.				Sep'19		
	400/220 kV GIS at Kadarapur (Gurgaon)	2x500		100%	100%	100%	May'19		Received Approval for Energization certificate from Electrical Inspector, CEA on 27-11-2019

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	400/220 kV GIS at Sohna Road (Gurgaon)	2x500		70%	100%	53%	Sep'19		Issue of difficulty in finalizing the route of 220 kV D/C line is under discussion. In the meeting held on 16-11-2018 during site visit of Technical Committee comprising officers from CEA, HVPNL and GPTL, M/s GPTL conveyed that construction of 220kV line up to and including dead end tower is not in the scope of M/s GPTL being executed under TBCB process. However, M/s GPTL had agreed for providing technical support for termination of 220kV lines at Sohna Substation.
	400/220 kV GIS at Prithala(Palwal)	2x500		100%	100%	100%	May'19		Commissioned 07/19
9	Connectivity system for Khargone TPP. M/s by Khargone. By M/s Sterlite		Khargone Transmission 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%	Jul'19		Received Approval for Energization certificate from CEA on 13-01-2020
10	NER System Strengthening Scheme II. M/s by NER II Transmission Limited. By M/s Sterlite		NER II Transmission Limited						Name of the successful Bidder: M/s Sterlite Grid 4 Limited
	400/132 kV Surajmaninagar S/S	2x315		58%	100%	15%	Jul'20		Allotment of 1.02 acres of Government land is pending with Collector, West Tripura.
	400/132 kV P.K. Bari S/S	2x315		65%	100%	11%	Jul'20		Allotment of 1.17 acres of Government land is pending with Collector, Unakoti.
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		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 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		47%	60%		Nov'19		

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of Construction			Completion Tgt.		Remarks
				Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
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		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			76%	77%	12%	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							
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 Khambaliya (GIS)	4X500							
18	North Eastern Region Strengthening Scheme (NERSS-VI) M/s by Kohima-Mairani Transmission Limited		Kohima-Mairani Trans. Ltd(Kalpataru)				Jul'20		Successful Bidder: Kalpataru Power Transmission Ltd.
	400/220 kV Kohima (New) S/S	7x167		87%	90%	90%	Jul'20		