



**Monthly Progress report of Cross border/ Inter-Regional/
Inter–State Transmission Schemes
(As on 31.03.2021)
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 Project/Name of element	Length (CKM)	Executing Agency	Physical Progress				Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
A.	CROSS BORDER									
1	India-Nepal									
	400 kV DC Muzzafarpur (I) - Dhalkebar (N) by CPTC/NEA	173	CPTC/NEA					Dec'19		400 kV Muzaffarpur- Dhalkebar Line was charged and Synchronised at rated voltage on 11-11-2020.
	400 kV DC Gorakhpur (New) (I) - New Butwal (N) (Planned)	240	Planned							1. NITI Aayog approval has been obtained for construction of Indian portion of 400 kV D/C Gorakhpur - Butwal Transmission line in 50:50 JV between POWERGRID and NEA. 2. POWERGRID Board of Directors has approved the Share Holders Agreement. 3. Letter has been written to NEA to take necessary approval from Govt. of India for Investment in this project.
2	India-Bhutan									
	400KV D/C Jigmeling - Alipurduar line (Q) (india Side)	326	PGCIL	466	466	466	326	Jan'18	Apr'21	Work completed and antitheft charging done on 28.03.21.
3	India-Bangladesh									
	400 kV DC Surajmaninagar (I) - North Comilla (B) by PGCIL / BPDB	54	PGCIL					Jul'21		PROJECT DROPPED

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	400 kV DC Baharampura (I) - Bheramara (B)-2nd link by PGCIL / BPDB	172	PGCIL	247	247	247	172	Feb'20	May'20	Work completed. Both circuit charged upto Indian portion on 07.05.20. Commissioning matching with Bangladesh side readiness.
B.	Inter State Transmission System									
1.0	MULTI REGIONAL SYSTEMS (IR Lines*)									
1	North East / Northern Western Interconnector -I Project	5155.82	PGCIL	6635	6356	6094	4420	Mar'22/ Aug'22	Aug'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	735.82		981	702	440		Mar'22/ Aug'22	Aug'22	Part- C, Completion matching with Lower Subhansiri Generation.

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	400KV D/C Lower Subhansiri - Biswanath Chariyali line -I	356.47		474	353	242			Aug'22	Initially work was stalled on a/c of local disturbance/ agitation against big dams. Contract was short closed as generation was not coming. Now work for generation expected to start with completion schedule of May'23. Balance work of line awarded in Dec'20. Stringing work reduced to 0 as destringing to be done for previous strung conductor due to defect.
	400KV D/C Lower Subhansiri - Biswanath Chariyali line -II	379.35		507	349	198			Aug'22	Initially work was stalled on a/c of local disturbance/ agitation against big dams. Contract was short closed as generation was not coming. Now work for generation expected to start with completion schedule of May'23. Balance work of line awarded in Dec'20. Stringing work reduced to 0 as destringing to be done for previous strung conductor due to defect.
2	Transmission System Strengthening in Indian System for Transfer of Power from Mangdechhu Hydroelectric Proj, in BHUTAN.	326	PGCIL	466	466	466	326	Mar'19/ Dec'19/ Mar'20/ May'20/ Apr'21	Apr'21	

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	400KV D/C Jigmeling - Alipurduar line (Q) (india Side)*	326		466	466	466	326		Apr'21	Work completed and antitheft charging done on 28.03.21.
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	3531	PGCIL	4773	4773	4773	3531	Nov'19/ May'20/ Apr'21	Apr'21	
	+/- 800KV Raigarh (HVDC Stn.) - Pugalur (HVDC Stn.) HVDC Bipole link*	3531		4773	4773	4773	3531		Sep'20	Line alongwith Pole-I of Bipole-I commissioned in Sep'20. Pole-II commissioned on 09.03.21.
2.0	<u>NORTHERN REGION</u>									
4	Transmission System associated with Tehri Pump Storage Plant (PSP)	15	PGCIL	46	46	46	15	Sep'19/ Dec'20/ May'21	Jan'21	
	400KV S/C Tehri Gen. - Tehri Pooling Station (Q)	13		38	38	38	13		Jan'21	Line commissioned in Jan'21.
	Charging of Tehri Pooling - Meerut line 1 & 2 at 765 KV (Earlier Charged at 400 KV)	2		8	8	8	2		Jun'20	Circuit-I charged in Apr'20. Circuit-II charged in Jun'20.
5	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)	137	PGCIL	130	107	104	93	Jun'19/ Jul'20/ Sep'21	Jun'21	

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	LILO of both ckt of Bawana - Mandola 400KV D/C line at Maharanibagh (Multi Ckt tower with twin/HTLS Cond.)	120		89	79	79	93		Jun'21	Forest proposal under DPTA & FCA submitted. Forest clearance proposal (FCA) Stage-I issued in Oct'20. Alternate land for CA identified by DDA. DDA handed over encumbrance free land to Forest deptt. Working permission received in Mar'21.
	LILO of one ckt of Bamnauli - Jattikalan 400KV D/C line at Dwarka-I (with twin/HTLS Cond.)	17		41	28	25			Jun'21	Forest proposal under DPTA & FCA submitted. Forest clearance proposal (FCA) Stage-I issued in Dec'20. Alternate land for CA identified by DDA. Out of 10.97 Ha, 6.13 Ha yet to be handed over by DDA to Forest deptt. Working permission yet to be received.
6	Northern Region System Strengthening Scheme - XXXV	122	PGCIL	181	180	174	72	Aug'18	May'21	
	400KV D/C Mohindergarh - Bhiwani line	122		181	180	174	72		May'21	Executing agency has undergone NCLT and now contract terminated. Balance work awarded in Nov'19. 1 no. Foundation, 6 Tower Erection locations and 20 Km stringing are under ROW. District administration help required to resolve ROW.
7	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	53	51	43	Feb'19/ Jun'19/ Apr'20/ Jun'21	Jun'21	

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	220KV D/C UT Chandigarh S/S - Panchkula (PG) S/S line (incl. 9.7 Kms underground cable).	48		56	53	51	43		Jun'21	Work of downstream system (66 KV Cable) under progress by UT Chandigarh. 220 KV Underground cable laying completed. Work held up at 5 locations due to ROW issues. DM, SAS NAGAR issued orders u/s 16 of Indian telegraph act for removal of ROW on 09.11.2020. High Court stayed works on 16.11.2020. Next hearing on 03.05.2021.
8	System Strengthening Scheme in Northern Region - XXXVII	70.2	PGCIL	115	112	108	61	Dec'19/ Jun'20/ Jun'21	Jun'21	
	LILO of both ckt of 400KV Dhauliganga - Bareilly (PG) line at Jauljivi	5.4		13	13	13	4		Apr'21	All works completed except stringing at tapping point. Commissioning of line through contingency arrangement was discussed in the NRPC meeting held in Feb'21. MoM awaited. On receipt of approval from NRPC, line will be commissioned in Apr'21, otherwise line will be commissioned matching with 220 KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh.

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	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		Apr'21	All works completed except stringing at tapping point. Commissioning of line through contingency arrangement was discussed in the NRPC meeting held in Feb'21. MoM awaited. On receipt of approval from NRPC, line will be commissioned in Apr'21, otherwise line will be commissioned matching with 220 KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh.
	Disconnection of 220KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh and connecting it to Jauljivi S/Stn. at 220KV level	48.8		75	72	68	42		Jun'21	Stage-I forest clearance received on 31.10.19. Working permission received on 23.12.19. 5 no. locs. were affected due to pending Civil Aviation clearance. Revised proposed route submitted to AAI on 14.10.20. AAI vide letter dated 01.12.2020 has issued NOC with restricted height of 1559m. Appeal under shielding clause has been filed on 02.12.2020 as the required top elevation of the tower was more than this height. Appellate Committee on Clearance, AAI in its meeting held on 17.12.2020 directed that transmission line section passing through approach surface of Airport is required to be changed from overhead line to underground cable. Procurement of cable is under progress.
9	Transmission System for Solar Energy Zones in Rajasthan	782	PGCIL	1072	1071	1065	727	Dec'20/ May'21	May'21	
	LILO of both circuits of 765 KV D/C Ajmer-Bikaner line at Bhadla-II PS	527		722	722	722	517		May'21	Work has also been affected due to COVID-19 pandemic. Work is under progress now.

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	400 KV D/C Bhadla-II PS-Bhadla (PG) line (Twin HTLS)	97		135	135	135	93		May'21	Work has also been affected due to COVID-19 pandemic. Work is under progress now.
	LILO of both circuits of 765 KV D/C (op. at 400 KV) Fatehgarh (TBCB)-Bhadla (PG) at Fatehgarh-II PS	158		215	214	208	117		May'21	Work has also been affected due to COVID-19 pandemic. Work is under progress now.
10	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II- Part F1	64	PGCIL					Jun'22	Jun'22	Survey work in progress.
	Removal of LILO of one circuit of Bhadla-Bikaner (RVPN) 400kV D/C line at Bikaner (PG) & Extension of this LILO section from Bikaner (PG) to Bikaner-II PS to form Bikaner-II PS- Bikaner (PG) 400kV D/C line	64							Jun'22	Awarded in Dec'20.
3.0 WESTERN REGION										
11	Transmission System Associated with Mundra Ultra Mega Power Proj.	3639	PGCIL	4927	4927	4927	3639	Dec'18/ Dec'19/ Jun'20/ Nov'20	Mar'21	
	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)									

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	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 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	696		Mar'21	Line commissioned in Mar'21.
	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.
12	Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.	132	PGCIL	183	183	183	132	Sep'18/ Sep'19/ Mar'20/ Jun'20/ Nov'20	Sep'20	
	400KV D/C Banaskantha PS - Banaskantha (PG) line	132		183	183	183	132		Sep'20	Line charged on 30th August'20. Generation at Radhanesda Solar UMPP is delayed and expected to commission by Apr'21 progressively.
13	Western Region System Strengthening Scheme-XXII	37	PGCIL	75	22	16		Mar'23	Mar'23	

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	220 kV D/C Navsari (PG) – Bhestan line	37		75	22	16		Dec'20	Jun'21	Delay in finalization of land compensation by local administration which in turn rise of severe ROW at almost all locations. Local and State administration were approached by POWERGRID for intervening and resolving the problem. Forest proposal: 0.945 Ha. proposal is pending for clearance at DCF, Surat.
4.0	<u>SOUTHERN REGION</u>									
14	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-A)	412	PGCIL	565	565	565	412	Jan'19/ Sep'19/ Apr'20/ Sep'20	Apr'20	
	400KV D/C Hiriyur - Mysore line	412		565	565	565	412		Apr'20	1st Ckt charged in Mar'20 and 2nd ckt in Apr'20.
15	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	289.4	PGCIL	408	408	408	289	Apr'20/ Jun'21	Jun'21	
	320KV HVDC Pugalur - North Trichur (Kerala) line	288		404	404	404	288		Mar'21	Line along with Monopole-2 commissioned on 9th Mar'21.
	LILO of 400KV D/C North Trichur - Cochin line at North Trichur HVDC Station (Q)	1.4		4	4	4	1		Mar'21	Line along with Monopole-2 commissioned on 9th Mar'21.
16	Transmission System for evacuation of power from Neyveli Lignite Corp. Ltd. TS-1 (Replacement) (NNTPS) in Neyveli, Tamil Nadu.	154	PGCIL	223	223	223	154	Jul'19/ Jun'20/ Apr'21	Apr'21	

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	400KV D/C NNTPS Sw. Yd. - Ariyalur (Villupuram) line	147		213	213	213	147		Apr'21	Line charged in Jul'20 by connecting to one ckt of LILO section of Pugalur - Kalivandapattu 400 kV D/C line near Ariyalur S/s (as bays by TANTRANCO on Deposit work Basis are expected by Apr'21) .
	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).
17	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-B)	312	PGCIL	428	428	428	312	Feb'19/ Dec'19/ May'20/ Feb'21	Feb'21	
	400KV D/C Tumkur (Pavagada) PS - Devanahally (KPTCL) line - (Q) (139.30 D/C & 13.20 M/C)	312		428	428	428	312		Feb'21	Commissioned in Feb'21.
18	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-II : AC System Strengthening at Pugalur end.	1196	PGCIL	1695	1676	1673	1113	Feb'20/ Sep'20/ Jun'21	Jun'21	
	400KV D/C Pugalur HVDC Station - Pugalur line (Q)	100		138	138	138	100		Sep'20	Line commissioned in Sep'20.
	400KV D/C Pugalur HVDC Station - Arasur line (Q)	118		162	162	162	118		Sep'20	Line commissioned in Sep'20.
	400KV D/C Pugalur HVDC Station - Thiruvallam line (Q)	779		1109	1107	1105	715		Jun'21	Progress severely affected due to severe ROW issue in Thirupur, Kalaikurchi and Tiruvannamalai districts in Tamil Nadu. Being resolved with the support of district administration.

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	400KV D/C Pugalur HVDC Station -Edayarpalayam (TANTRANSCO) line (Q)	105		149	134	134	90		Jun'21	Progress affected due to severe ROW issue in Tamil Nadu and status quo order by Chennai High Court (11 Loc.). Status Quo order quashed on 10th March21.
	400KV D/C Edayarpalayam (TANTRANSCO)-Udumulpet line (Q)	94		137	135	134	90		Jun'21	Progress affected due to severe ROW issue in Tamil Nadu.
5.0	<u>EASTERN REGION</u>									
19	Eastern Region Strengthening Scheme-V	963	PGCIL	1344	1344	1344	963	Dec'18/ Aug'19/ Apr'20/ Sep'20	Jul'20	
	400KV D/C Rajarhat - Purnea line (Triple Snowbird)	881		1219	1219	1219	881		Jul'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. Balance portion of line is commissioned on 12.07.20.
	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.
20	Eastern Region Strengthening Scheme-XV	204	PGCIL	291	291	291	203.9	Apr'18/ Jan'20/ Apr'20/ Mar'21	Apr'21	

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	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	8	8	1.9		Apr'21	Schedule extended due to corridor constraint at Jeerat S/S for bays. Work has also been affected due to COVID-19 pandemic.
	Removal of the existing LILO of Farakka - Jeerat S/C line at Baharampur								Aug'18	Completed in Aug'18.
21	Eastern Region Strengthening Scheme-XVII (Part-B)	63	PGCIL				28	Jun'19/ Sep'20/ Aug'21	May'21	
	Re-conductoring of Maithon RB - Maithon 400KV D/C line	63					28		May'21	Shutdown received from 25.11.2020. Work restarted. Work has also been affected due to COVID-19 pandemic.
22	400KV D/C Baharampur (PG) - Bheramera (B'desh) line (IInd Ckt) - India portion	172	PGCIL	247	247	247	172	Feb'20/ Apr'20/ Sep'20	May'20	Work completed. Both circuit charged upto Indian portion on 07.05.20. Commissioning matching with Bangladesh side readiness.
23	Eastern Region Strengthening Scheme - XX	222	PGCIL				222	May'20/ May'21	Apr'21	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					220		Mar'21	Commissioned on 29.03.21.

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	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.
24	TS for transfer of Power from Gen. Proj. in Sikkim to NR/WR (Part-B1)	24	PGCIL	35	35	34	13	Jun'20/ Nov'20	Apr'21	Compln. Sch.- 30 months from IA.
	LILO of IIInd Ckt of Teesta III - Kishanganj 400KV D/C line at Rangpo (Q)-Twin HTLS cond.	24		35	35	34	13		Apr'21	Award placed in Dec'17. Major portion of line is in forest (40 Ha-12 km.), Forest stage-I approval received in Jan'19. Working permission received in Mar'19. Delay in tree enumeration & tree felling. Slow progress due to undulated hilly terrain, head loading of tower members due to non-availability of road, progressively making of approach road to reach the working site & local ROW. Work has also been affected due to COVID-19 pandemic.
25	Eastern Region Strengthening Scheme - XXIII	84.34	PGCIL	127	77	28		Jun'21	Jun'21	Compln. Sch.- 11 months from IA.
	LILO of Kishanganj (POWERGRID) – Darbhanga (DMTCL) 400 kV D/C (Quad) line at Saharsa (New)	78		114	64	24			Jun'21	Severe RoW being faced in the Saharsa distt.
	Bypassing of Farakka – Kahalgaon (ckt-3 & ckt-4) and Farakka – Durgapur 400 kV D/C lines of POWERGRID so as to form Kahalgaon – Durgapur 400 kV D/C line	6.34		13	13	4			Apr'21	Severe RoW being faced in the Farakka distt.
	<u>NORTH EASTERN REGION</u>									

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
26	PG works associated with North Eastern Region Strengthening Scheme -V	46	PGCIL	77		77	40	Apr'20/ Sep'20	Apr'21	
	Additional 400KV D/C line at Palatana S/stn. & Surajmaninagar S/stn. end for termination of Palatana - Surajmaninagar 400KV D/C line	24		43	43	41	18		Apr'21	Work has been affected due to COVID-19 pandemic. Further, due to change in location of substation under TBCB, line (Length) scope of work at Surajmaninagar end changed from 2.0 Km to 12 Km. Therefore, work at Surajmaninagar end is re-awarded in Aug'20. Work under progress.
	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		34	34	34	22		Mar'21	Line charged on 09.03.21.
27	PG works associated with North Eastern Region Strengthening Scheme - VI	2	PGCIL	7		7		May'20/ Apr'21	Apr'21	
	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		7	7	5	0.6		Apr'21	Work has also been affected due to COVID-19 pandemic and rain at site.
28	North Eastern Region Strengthening Scheme-X	67	PGCIL	113				Feb'22	Feb'22	
	132 kV D/C Roing (PG) - Chapakhowa (AEGCL) line	67		113					Feb'22	Award under progress.
29	North Eastern Region Strengthening Scheme-XIV	16	PGCIL					Feb'22	Feb'22	

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
	LILO of 400 kV D/c Palatana - Surajmaninagar (ISTS) line at 400 kV Surajmaninagar (TSECL) S/s	16							Feb'22	Awarded in Mar'21.
	TBCB Lines									
1	Eastern Region strengthening Scheme - XVIII	1313		1771	1697	1647	1107.96	Jul'20/ Dec'20	May'21	
	765KV D/C Ranchi (New) - Medinipur line	538		718	718	718	538		Feb'21	Commissioned on 09.02.21.
	765KV D/C Medinipur - Jeerat (New) line	338		461	461	460	328		Apr'21	Severe ROW being faced. Work has been affected due to COVID-19 pandemic. Work also affected due to cyclone AMPHAN in May'20.
	400KV D/C Jeerat (New) - Subhashgram line	214		312	238	189	42.96		May'21	Severe ROW being faced. Work has been affected due to COVID-19 pandemic. Work also affected due to cyclone AMPHAN in May'20.
	400KV D/C Jeerat (New) - Jeerat (WBSETCL) line	51		81	81	81	51		Apr'21	Physical work of the line completed. Commissioning matching with the completion of Jeerat substation.
	LILO of 400KV D/C both ckt of Chandithala - Kharagpur at Medinipur	148		199	199	199	148		Feb'21	Commissioned on 09.02.21.
	LILO of 400KV S/C Jeerat (WBSETCL) - Subhashgram at Rajarhat (PG)	24								Line deleted from scope.
2	Eastern Region Strengthening Scheme - XXI	487.14		671	669	662	461.34	Mar'21/ Aug'21	Apr'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 schedule	Anticipated date	
	400KV D/C Darbhanga - Sitamarhi (New) line (Triple Snowbird)	160		221	221	221	160	an'21/Jun'21	Apr'21	Ckt-I charged on 31.03.21. Ckt-II expected in Apr'21.
	400KV D/C Sitamarhi (New) - Motihari line (Triple Snowbird)	171.34		230	230	230	171	an'21/Jun'21	Apr'21	Physical work of the line completed. Commissioning matching with associated substations.
	LILO of both ckt of Nabinagar-II - Gaya 400KV D/C (Q) line at Chandauti	6		9	9	9	6	ar'21/Aug'21	Mar'21	Commissioned on 11.03.21.
	LILO of both ckt of Kishanganj - Patna 400KV D/C (Q) line at Saharsa	149.8		211	209	202	124	ar'21/Aug'21	Apr'21	Progress is getting severely affected due to water logging. Work has also been affected due to COVID-19 pandemic.
3	WR - NR Interconnector	379		521	521	513	291.18	Jul'21/ Dec'21	Jul'21	

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	765KV D/C Vindhyachal - Varansai line	379		521	521	513	291.18		Jul'21	Stage -I forest clearance of UP portion obtained on 14.09.20. Working permission for Mirzapur division received on 29.10.20. Wildlife proposal cleared by NBWL. NBWL in their clearance advised to cross river using 765 kV U/G Cable. Technology is not available world wide. Matter was taken up with SBWL/ NBWL and clarification in this regard issued on 17th June'20. In MP portion, delay in tree felling by forest deptt. also affected foundation works. Presently tree felling in stringing stretches are in progress. Work has also been affected due to COVID-19 pandemic.
4	Transmission System associated with LTA application from Rajasthan SEZ (Part -A)	268		359	359	359	268	Dec'20/ May'21	Apr'21	SPV handed over to POWERGRID on 03.10.2019.
	Ajmer (PG) – Phagi 765kV D/c line	268		359	359	359	268		Apr'21	Final checking in progress.
5	Transmission System associated with LTA application from Rajasthan SEZ (Part -B)	374		508	508	508	354	Dec'20/ May'21	May'21	SPV handed over to POWERGRID on 16.10.2019.
	Fatehgarh-2 –Bhadla -2 765kV D/c line	374		508	508	508	354		May'21	Work has been affected due to COVID-19 pandemic.
6	Transmission System associated with LTA application from Rajasthan SEZ (Part -C)	448		602	585	568	262	Dec'20/ May'21	May'21	SPV handed over to POWERGRID on 29.08.2019.
	Khetri– Jhatikara 765kV D/c line	292		395	380	367	140		May'21	Work has been affected due to COVID-19 pandemic.
	Khetri – Sikar (PG) 400kV D/c line AL59 (Twin)	156		207	205	201	122		May'21	Work has been affected due to COVID-19 pandemic.

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
7	Transmission System for providing connectivity to RE Projects at Bhuj-II (2000 MW) in Gujarat	212		284	149	109	20.21	Dec'20/ May'21	May'21	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	212		284	149	109	20.21		May'21	Initial delay in handing over of SPV from BPC to POWERGRID. Work has been affected due to COVID-19 pandemic. Progress also affected because of very heavy rain fall in Gujarat in Aug/Sep'20. Severe RoW because of delay in finalization of compensation rate by local administration. Recently compensation orders issued by local administration after joint hearing with POWERGRID & Villagers.
8	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under phase-II- Part A							Sep'22	Sep'22	SPV transferred in Mar'21.
	Ramgarh-II SEZ PP-Fatehgarh-II 400kV D/c line (Twin HTLS)									Awarded in Mar'21.
	Ramgarh-II-Jaisalmer-II (RVPNL) 400kV D/c line (Twin HTLS)									Awarded in Mar'21.
9	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under phase-II- Part F							Sep'22	Sep'22	SPV transferred in Mar'21.
	Bikaner-II PS – Khetri 400kV 2xD/c line (Twin HTLS* line on M/c tower)									Awarded in Mar'21.
	Khetri - Bhiwadi 400kV D/c line (Twin HTLS)									Awarded in Mar'21.

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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	66	50	Jul'19	Mar'20	commissioned 03/20
	765kV D/C Khandwa Pool – Indore line	180		243	243	243	180	Jul'19	Mar'20	commissioned 03/20
	765 kV D/C Khandwa Pool – Dhule line	379		492	476	475	350	Jul'19	Jun'21	Work stopped due to passing of line through submergence area of proposed Jamphal Dam in Maharashtra. A meeting was held on 12-02-2021 by the Committee being constituted by Ministry of Power under the chairmanship of Member (Power Systems), CEA and as directed by Committee, KTL had submitted the Undertaking on 17-02-2021 and the NOC was granted by Irrigation Dept on 23-02-2021. Forest Proposal : Stage-I clearance has been issued and working permission is awaited.
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		

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	LILO of one ckt of Narendra (Existing) - Narendra (New) 400kV D/C Quad line at Xeldem	187.35		233	2			Nov'21	Apr'22	1. Delay in grant of Forest clearance for Diversion of 177.091 Ha of forest land. State Govt had returned the proposal to nodal officer seeking the details that whether the user agency is utilizing the corridor of existing 110kV line or not at possible extent. 2. Delay in grant of Wildlife clearance for Diversion of 33.273 Ha of wildlife area. The Proposal is pending with Govt of Karnataka and has to be approved by SBWL, Karnataka. State Govt had returned the proposal to nodal officer seeking the details that whether the user agency is utilizing the corridor of existing 110kV line or not at possible extent. 3. Delay due to occurrence of Force Majeure (FM) event i.e. outbreak of COVID-19 4. The progress is suffered due to petition filed by Goa Foundation in Central Empowered Committee (CEC) constituted by Supreme court and High Court of Mumbai & Goa.

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
	Xeldem - Mapusa 400kV D/C Quad Line	109.6		149	19	2		May'21	Oct'21	1.Delay due to occurrence of Force Majeure (FM) event i.e. outbreak of COVID-19. 2.The progress is suffered due to petition filed by Goa Foundation in Central Empowered Committee (CEC) constituted by Supreme court and High Court of Mumbai & Goa 3.3. Working (Tree cutting) permission is awaited
	Dharamjaygarh Pool Section B - Raigarh (Tamnar) Pool 765kV D/C Line	137		179	74	33		Jul'21	Dec'21	1.Forest proposal has been forwarded by Govt of Chhattisgarh to Regional MoEFCC and the same was discussed in the REC Meeting held on 24-03-2021 and Stage-I clearance is expected shortly. 2.Delay due to occurrence of Force Majeure (FM) event i.e. outbreak of COVID-19 .
	Xeldem (existing) – Xeldem (new) 220kV D/C line	40		62				May'21	Oct'21	1.Delay due to occurrence of Force Majeure (FM) event i.e. outbreak of COVID-19 2.The progress is suffered due to petition filed by Goa Foundation in Central Empowered Committee (CEC) constituted by Supreme court and High Court of Mumbai & Goa

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				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original schedule	Anticipated date	
12	Establish Transmission System for 400 kV Udupi (UPCL) – Kasargode D/C Line		Udupi Kasargode Transmission Limited.(Sterlite Grid 14 Limited; a subsidiary of Sterlite Power Transmission Limited)					Nov'22		
	Mangalore (Udupi PCL) – Kasargode 400kV (Quad) D/c line	230.94		310	8			Nov'22	Mar'22	
13	Western Region Strengthening Scheme-XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX)		Vapi II-North Lakhimpur Transmission Limited Sterlite Grid 13 Limited (A Subsidiary of Sterlite Power Trans. Limited)							
	LILO of second circuit of Zerda –Ranchodpura 400 kV D/c line at Banaskantha (PG) PS							Oct'22		
	LILO of KAPP – Vapi 400 kV D/c line at Vapi – II							Apr'23		
	Vapi-II – Sayali D/C 220kV D/C line							Apr'23		

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	Padghe (PG) – Kharghar 400 kV D/c (quad) line to be terminated into one ckt. of Kharghar – Ghatkopar 400 kV D/c (quad) line (thus forming Padghe (PG) - Kharghar 400 kV S/c (quad) line, Padghe (PG) - Ghatkopar 400 kV S/c (quad) line)							Dec'23		
	LILO of Padghe (PG) – Ghatkopar 400kV S/c line at Navi Mumbai GIS (PG)							Dec'23		
	LILO of Apta – Kalwa/Taloja 220 kV D/c line (i.e. Apta – Kalwa and Apta Taloja 220kV lines) at Navi Mumbai (PG)							Dec'22		
	Pare HEP (NEEPCO) (from near LILO point)– North Lakhimpur (AEGCL) 132 kV D/c line (with ACSR Zebra conductor)							Jun'23		
	LILO of one circuit of Pare HEP – North Lakhimpur (AEGCL) 132kV D/c line (with ACSR Zebra) at Nirjuli (POWERGRID) substation							Jun'23		
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)					Dec-20		
	Lakadia – Vadodara 765kV D/c line	658		810	369	148		Dec-20	Dec'21	1. Facing severe RoW issues 2.Delay in forest clearance.

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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		Joint Petition No. 71/MP/2020 is filed in CERC in Jan'20. Change of management - Date of Order issued CERC on: 27th January, 2021 (Grant approval for transfer of 100% shareholding/ any other securities held by Essel Infra or its affiliates (including that which is held under pledge by the Lenders) in WKTL in favour of ATL (Adani Transmission Limited) by execution of Share Purchase Agreement.”)

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	765 kV D/C Warora-Warangal (hexa) Line	646		827	774	425	58.6	Nov'19		Ministry of Power(MoP) vide their letter No. 7/1/2017-Trans dated 16.04.2020 conveyed the following.: 1. MoP, GoI has decided that M/s WKTL, the developer of Warora-Warangal 765 kV D/C Transmission Line is required to complete the balance works in above line as per the original approved route in the coal bearing area of WCL involving 16 towers without any further delay and also to comply all other decisions of MoP conveyed as per above letter dated 16.04.2020. Further, WKTL is required to complete all the elements in the above Scheme within the framework of the contractual obligations. It is also requested that the latest status and implementation schedule of all the elements of above line may be conveyed to CEA at the earliest. 2. Lead Long Term Transmission Customer(LTTC), i.e., TANGENDCO Ltd, is requested to take necessary action as per TSA to ensure that there is no further delay in completion of the above project. M/s WKTL is also advised that in case of any constraints in completion of the above project as per established procedure, the developer may approach CERC for
	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		

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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		To obtain the necessary long pending NOC from the Government of Uttarakhand for the IDPL land, a meeting was convened by the chairman, CEA on 16th March 2020 at its office along with representative from Ministry of Power, Ministry of Forest and Environment, Tourism Department of Uttarakhand Government, Power Transmission Corporation of Uttarakhand (PTCUL), Indian Drug and Pharmaceutical Limited (IDPL), M/s E&Y (Consultant to GoUK) and NRSS-XXXVI Transmission limited (NTL). A DO letter dated 22/02/2021 was sent to Chief Secretary, Uttarakhand by JS, MoP requesting to expedite the issuing of NoC.
	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. Court cases.
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.

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	400kV D/C North Karanpura – Gaya line (Q) (only Double Circuit portion)	196		286	136	112	28			• Revised schedule completion date: 23 months from the date of NOC from CCL/MoC (considering receipt of forest approval within 300 days). RoW issues. In meeting called by CEA on 16.03.20, Addl. PCCF, Forest, Govt. of Jharkhand informed that timeline for proposal movement will be committed in next meeting. The review meeting held on 11-11-20 & 10-02-21 wherein Joint Secretary (Trans), Ministry of Power has reviewed the Status
	400kV D/C North Karanpura – Chandwa (Jharkhand) Pooling Station line (Q) (including Multi-circuit portion)	102		115	74	74	20			a) Revised schedule completion date: 14 months from the date of NOC from CCL/MoC (considering receipt of forest approval within 200 days) The review meeting held on 11-11-20 & 10-02-21 wherein Joint Secretary (Trans), Ministry of Power has reviewed the Status
	LILO of both circuits of Ranchi – Maithon-RB 400kV D/c line at Dhanbad	4.8		10	3			May'21		1) Revised schedule completion date: 18 months from date of NOC from CCL/MoC. Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site.

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18	Transmission System for Ultra Mega Solar Park in Fatehgarh, Distt. Jaisalmer Rajasthan By M/s Adani		Fatehgarh Bhadla Transmission Ltd.					Sep'19	May'21	May'21, however, it can be ascertained only once Status Quo order from Hon'ble High Court vacated.
	765 kV D/C line Fatehgarh Pooling sub-station - Bhadla (PG)	292		405	405	405	292	Sep'19	May'21	Line work completed.last tower span finishing and final checking is under progress
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.	478		621	611	563	308	Dec'20	May'21	Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site.
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		119	63	36		Dec'20	Nov'21	Severe RoW. Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site
	Bhuj PS – Lakadia PS 765 kV D/C line	214		280	202	111		Dec'20	Nov'21	Severe RoW. Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site
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 schedule	Anticipated date	
	Lakadia PS – Banaskantha PS 765kV D/c line	352		473	363	258	43.2	Jun'21	Nov'21	a) Severe ROW b) Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site
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						Jun'21	
	Extension of Essar-Lakadia/Bhachau 400 kV D/C (triple snowbird) line upto Jam Khambaliya PS.	38		52	28	18		Mar'21	Aug'21	Pandemic COVID 19 situation has become uncontrollable since last week of Feb'20 and the work is affected at site

PART- II: सब स्टेशन SUBSTATION

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	MULTI REGIONAL SYSTEMS									
1	North East / Northern Western Interconnector - I Project		PGCIL					Mar'22/ Aug'22	Aug'22	
	Part-A : North East - Northern/ Western Interconnector -I							Sep'16	Sep'16	Part- A, Completed.
	400/132KV Biswanath Chariyali Pooling Station	2x200		Acquired	100%	100%	100%		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	100%	100%	100%		Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
	HVDC Rectifire Module at Agra (3000MW)			Acquired	100%	100%	100%		Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
	Aug. of 400KV Agra S/Stn.	1x315		Available	100%	100%	100%		Jan'16	Commissioned in Jan'16.
	Extn. of 400KV Balipara S/Stn.			Available	100%	100%	100%		Sep'15	Commissioned.
	Extn. of 132KV Biswanath Chariyali S/Stn.			Available	100%	100%	100%		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	100%	100%	100%		Jun'12	Commissioned in Jun'12.
	Extn. of 400KV Balipara S/Stn.			Available	100%	100%	100%		Mar'18	Bongaigaon bay commissioned in Oct'14. Balance in Mar'18.
	Extn. of 400KV Bongaigaon S/Stn.			Available	100%	100%	100%		Oct'14	Commissioned
	Part-C : Transmission System for immediate evacuation of Power from Lower Subhansiri HEP							Mar'22/ Aug'22	Aug'22	
	Extn. 400KV at Biswanath Chariyali Pooling stn.			Available	95%	95%	95%		Aug'22	Commissioning matching with line (earlier line work stalled due to agitation against big dam, Now balance work awarded. Gen. sch. for 1st 250 MW unit by May'23 as per NHPC).

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
2	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/ Apr'21	Apr'21	
	Extn at 400KV bays at Alipurduar S/stn.			Available	100%	100%	100%		Apr'21	Bay completed. Commissioning matching with line.
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		PGCIL					Nov'19/ May'20/ Apr'21	Apr'21	
	800KV HVDC Raigarh Station with 6000 MW HVDC Terminal			Acquired	99%	99%	99%		Apr'21	Pole-I & Pole-II (1500 MW each) of Bipole-I commissioned in Sep'20 and Mar'21 respectively. Progress has been affected due to COVID-19 pandemic. Balance poles are expected to be completed progressively by Apr'21.
	800KV HVDC Pugalur Station with 6000 MW HVDC Terminal			Acquired	99%	99%	99%		Apr'21	Pole-I & Pole-II (1500 MW each) of Bipole-I commissioned in Sep'20 and Mar'21 respectively. Progress has been affected due to COVID-19 pandemic. Balance poles are expected to be completed progressively by Apr'21.
4	POWERGRID works associated with additional 400 KV feed to Goa		PGCIL					Sep'21/ Feb'22	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	92%	88%	55%	Mar'21/ Aug'21	Apr'21	Work has been affected due to COVID-19 pandemic.
	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 LLO of one ckt of Narendra (Existing)-Narendra (New) 400 KV D/C (Q) line at Xeldem)			Available	96%	96%	60%		Sep'21	Work under progress. Work has also been affected due to COVID-19 pandemic.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
5	POWERGRID works associated with New WR-NR 765 KV Inter-Regional Corridor		PGCIL					May'21/ Oct'21	May'21	
	2 nos. 765 KV line bays at Vindhyachal Pooling Station (associated with 765 kV Varanasi-Vindhyanchal line under TBCB route).			Available	98%	98%	98%		Apr'21	Awarded in Sep'18. Tower & equipment foundation and Erection completed. Work has also been affected due to COVID-19 pandemic. Likely to be charged in Apr'21.
	2 nos. 765 KV line bays along with 2x330 MVAR LR (non-switchable) at Varanasi GIS (associated with 765 kV Varanasi-Vindhyanchal line under TBCB route).			Available	93%	95%	80%		May'21	Work has been affected due to COVID-19 pandemic.
6	System Strengthening Schemes at Tuticorin-II (erstwhile Tirunelveli GIS) and Bhuj PS		PGCIL					Jun'20/ Apr'21	Apr'21	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		Available	100%	99%	96%	Feb'20	Apr'21	ICT ready for commissioning however development of common facility affected due to non supply of GIS duct on account of COVID-19 restrictions.
	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)	6x500 & 2x1500			98%	98%	95%	Jun'20/ Apr'21	Apr'21	2 nos. 500MVA 400/220 kV ICT commissioned in Oct'19. 3rd 400 kV ICT also commisisoned in Sep'20. Rest of the ICTs (3 nos. 400 kV and 2 nos. 765 kV ICT banks) are expected to commission by Apr'21 progressively (01no. 500 MVA ICT#8 and 3x500 MVA 765 kV ICT Bank#4 test charged on 31st Mar'21). Work has also been affected due to COVID-19 pandemic. Heavy rain fall in Bhuj area of Gujarat in the month of Aug/Sep'20 hampered the works at site and also damage some imported component of GIS bays. Local containment near to M/s GE works at Chennai and Bhuj site also affected the works.
	NORTHERN REGION									
7	Transmission System associated with Tehri Pump Storage Plant (PSP)		PGCIL					Sep'19/ Dec'20/ May'21	Jan'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	765/400KV Tehri Pooling Station (GIS)	4x800			100%	100%	100%		Jan'21	3 nos. ICT commissioned in Apr'20. 4th ICT and 400 KV S/C Tehri-Koteshwar line commissioned in Jan'21. Tehri PSP Generation is delayed.
	Extn. at 765/400KV Meerut Sub station	1500		Available	100%	100%	100%		Jun'20	1st 765 kV Line Bay charged in Apr'20. 2nd 765 kV Line Bay & ICT charged in Jun'20.
8	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)		PGCIL					Jun'19/ Jul'20/ Sep'21	Jun'21	
	Extn. at 400KV bays at Maharanibag S/stn. (in place of 400/220KV Rajghat S/stn. - Anuled)	-		Available	95%	95%	95%		Jun'21	04 nos. GIS bays at Maharanibagh for the LILO of 400 KV D/C Mandola - Bawana line at Maharanibagh are ready for charging but these shall be charged with line. LILO line getting delayed due to forest clearance issue in Delhi.
	400/220KV Dwarka -I Sub station (GIS)	4x500		Acquired	99%	98%	95%		Jun'21	220 KV GIS charged in March'20. 400 kV GIS is ready but charging will be done matching with LILO line getting delayed due to forest clearance issue in Delhi.
9	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/ Jun'21	Jun'21	
	220/66KV UT Chandigarh (GIS) Sub station	2x160		Acquired	99%	99%	99%		Jun'21	Work of down stream line under progress by UT Chandigarh.
	Extn at 400/220KV Panchkula Sub station	-		Available	100%	100%	100%		Jun'21	Commissioning matching with line, held up due to ROW at 04 +01 (Pile) locations in Punjab. Works stayed by High Court. Next Hearing on 03.05.21.
10	System Strengthening Scheme in Northern Region - XXXVII		PGCIL					Dec'19/ Jun'20/ Jun'21	Jun'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	400/220KV Jauljivi (GIS) Sub station	7x105		Acquired	98%	98%	98%		Jun'21	Supply of Transformer & Reactor was affected due to poor road conditions. Road widening/ strengthening work completed by NHAI in Jul'20. Accordingly, transportation of reactors & transformer have been completed progressively in Oct'20. Work has also been affected due to COVID-19 pandemic. Commissioning of line through contingency arrangement was discussed in the NRPC meeting held in Feb'21. MoM awaited. On receipt of approval from NRPC, S/s will be commissioned in Apr'21, otherwise S/s will be commissioned matching with 220 KV LILO arrangement of Dhauliganga - Bareilly at Pithoragarh.
	Extn at 765/400KV Bareilly Sub station	-		Available	98%	100%	95%		Apr'21	Commissioning matching with line.
11	System Strengthening Scheme in Northern Region - XXXVI		PGCIL					Sep'19	Jun'21	
	Extn. at 400/220KV Koteswar Pooling station	-		Available	50%	22%			Jun'21	400 KV D/C Koteswar - Rishikesh line under TBCB by M/s Essel Infra for which these bays are being constructed is delayed.
	Extn. at 400/220KV Roorkee Sub station	-		Available	100%	100%	100%		Sep'19	220 KV Bay is ready for commissioning since Dec'18 but downstream Tr. System to be constructed by PTCUL is not available.
12	Implementation of 500 MVAR Thyristor Controlled Reactor at Kurukshetra		PGCIL					Jul'21/ Dec'21	Jul'21	
	500 MVAR Thyristor Controlled Reactor (TCR) at 400 kV Kurukshetra -1 No.				49%	16%			Jul'21	Work under progress.
13	Northern Region System Strengthening - XL		PGCIL					Dec'20/ May'21	May'21	
	Extn. at 400/220 kV Roorkee	1x500		Available	75%	65%	40%		May'21	Work has been affected due to COVID-19 pandemic. Work is under progress.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn. at 400/220 kV Sonapat	1x500		Available	80%	70%	40%		May'21	Work has been affected due to COVID-19 pandemic. Work is under progress.
	Extn. at 400/220 kV Fatehpur	1x500		Available	100%	100%	100%		Mar'21	1x500 MVA, 400/220/33 kV ICT alongwith associated bays and 2 nos. 220 kV line bays at Fatehpur s/s was charged on 29.03.2021 & 30.03.2021 respectively.
	Extn. at 400/220 kV Saharanpur	1x500		Available	100%	100%	100%		Mar'21	ICT charged on 31.03.21.
	Extn. at 400/220 kV Bhadla	2x500		Available	96%	80%	65%		May'21	Work has been affected due to COVID-19 pandemic. Work is under progress. 1 no. ICT commissioned in Jan'21.
	Extn. at 400/220 kV Lucknow (Repl. of 1x315 MVA ICT by 1x500 MVA ICT)	185		Available	95%	98%	95%		Apr'21	ICT replaced & commissioned in Mar'19. Engg. activities for 220 KV bay extn. is under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Allahabad			Available	70%	80%	30%		May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Mandola			Available	82%	70%	55%		May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Hissar			Available	70%	60%	40%		May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Sikar			Available	92%	70%	40%		May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Meerut			Available	40%	35%	15%		May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Abdullapur			Available	100%	100%	100%		Mar'21	Test charged in Mar'21. Downstream line of HVPNL delayed.
	Extn. at 400/220 kV Gorakhpur (1x315 MVA ICT after replacement at Lucknow to be shifted to Gorakhpur)			Available	100%	100%	100%		Mar'21	400/220 kV, 315 MVA ICT at Gorakhpur charged on 31.07.20. 220 kV line bays charged on 30.03.21.
	Extn. at 400/220 kV Jind			Available	70%	60%	25%		May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Fatehabad			Available	70%	65%	30%		May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Kichanpur			Available	70%	25%			May'21	Work under progress. Work has also been affected

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn. at 400/220 kV Krishenpur			Available	70%	55%			May'21	due to COVID-19 pandemic.
	Extn. at 400/220 kV Jalandhar			Available	50%	45%			May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Amritsar			Available	75%	65%	45%		May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Maharaniabagh			Available	10%	12%			May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Chamera PS			Available	25%				May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Moga			Available	70%	20%	5%		May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
	Extn. at 400/220 kV Patiala			Available	80%	60%	10%		May'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
14	Northern Region System Strengthening - XLII		PGCIL					Oct'20/ Mar'21	Apr'21	
	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)			Available	98%	98%	98%		Apr'21	Testing in progress.
15	Transmission System for Solar Energy Zones in Rajasthan		PGCIL					Dec'20/ May'21	May'21	
	Establishment of 765/400 KV Bhadla-II PS (1x125 MVA BR, 2x240 MVA BR, 2x330 MVA SLR & 2X240 MVA SLR alongwith associated bays)	2x1500		Acquired	90%	85%	70%		May'21	Work has been affected due to COVID-19 pandemic.
	Establishment of 765/400 KV Fatehgarh-II PS (1x125 MVA BR & 2x240 MVA BR alongwith associated bays)	3x1500		Acquired	78%	76%	60%		May'21	Work has been affected due to COVID-19 pandemic.
	Extn. of 765/400/220 KV Bhadla (PG) S/S	2x500		Available	80%	65%	45%		May'21	Work has been affected due to COVID-19 pandemic.
	Extn. of 765/400 KV Bhiwani (PG) S/S	1x1000		Available	55%	50%	25%		May'21	Work has been affected due to COVID-19 pandemic.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
16	Scheme to control fault level in Northern Region (Phase-II)		PGCIL					Jun'21/ Nov'21	Jun'21	
	Extn. of 400 kV Kanpur Substation			Available					Jun'21	Engineering activities under progress.
	Extn. of 400 kV Bhiwani Substation			Available	5%				Jun'21	
	Extn. of 400 kV Hissar Substation			Available					Jun'21	Engineering activities under progress.
17	Northern Region System Strengthening - XLI		PGCIL					May'21/ Oct'21	Jul'21	
	Extn. at 400/220 kV Chamera Pooling Station (2 nos. 4000 KV line bays (GIS))				25%				Jul'21	Work under progress. Work has also been affected due to COVID-19 pandemic.
18	Transmission System for Providing connectivity to RE projects at Bikaner (PG), Fatehgarh-II & Bhadla-II		PGCIL					Jan'21/ Jun'21	May'21	
	Extension 765/400/220 kV Fatehgarh-II PS (Jaisalmer)	1x1500 & 5x500		Available	35%	15%	5%		May'21	
	Extension 765/400/220kV Bhadla-II PS (Jodhpur)	1x1500 & 5x500		Available	35%	15%	5%		May'21	
	Extension 400/220 kV Bikaner (PG) Substation	2x500		Available	40%	20%	8%		May'21	
19	Additional 1x500 MVA, 400/220 kV (4th) transformer at Amritsar (Balachak) PG SS under ISTS		PGCIL					Aug'20/ Jan'21	Nov'20	
	Extension 400/220 kV Amritsar (Balachak) PG Substation	1x500		Available	100%	100%	100%		Nov'20	Commissioned.
20	Construction of 2 nos. of 400 kV Hybrid/ GIS Line bays at Varanasi (PG) Substation		PGCIL					Jan'21	May'21	
	Extn. at 765/400/220 KV Varanasi Substation (400 kV Line bays (Hybrid/ GIS): 2 nos.)				60%	15%			May'21	

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
21	Transmission scheme for controlling high loading and high short circuit level at Moga substation		PGCIL					Apr'21	May'21	
	Rearrangement of feeders at Moga 400 KV bus and splitting of same into two sections (Controlling high Sckt/loading at Moga S/S)			Available	50%				May'21	
22	2 nos. of 220 kV Line Bays at Saharanpur (PG)		PGCIL					Nov'21	Nov'21	
	400/220kV Saharanpur (PG) S/S (Extn.)			Available	2%				Nov'21	
23	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II- Part- F1		PGCIL					Jun'22	Jun'22	
	Extension of 400kV Bikaner-II PS								Jun'22	Award under progress.
24	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under Phase II- Part- A1		PGCIL					Mar'22	Mar'22	
	Augmentation of 765/400 kV, 1x1500 MVA (5th) ICT at Fatehgarh-II PS	1x1500							Mar'22	Substation package awarded in Mar'21. ICT package under award.
25	Provision of Spare ICTs in Northern Region		PGCIL					Jul'22	Jul'22	
	500 MVA, 400/220 kV Spare ICT at Tughlakabad	500		Available					Jul'22	Awarded in Jan'21.
	500 MVA, 400/220 kV Spare ICT at Jaipur South	500		Available					Jul'22	Awarded in Jan'21.
	500 MVA, 400/220 kV Spare ICT at Panchkula	500		Available					Jul'22	Awarded in Jan'21.
	500 MVA, 400/220 kV Spare ICT at Moga	500		Available					Jul'22	Awarded in Jan'21.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	500 MVA, 400/220 kV Spare ICT at Lucknow	500		Available					Jul'22	Awarded in Jan'21.
	200 MVA, 220/132 kV Spare ICT at Raebarely	200		Available					Jul'22	Awarded in Jan'21.
	160 MVA, 220/132 kV Spare ICT at Sitarganj	160		Available					Jul'22	Awarded in Jan'21.
	WESTERN REGION									
26	Transmission System Associated with Mundra Ultra Mega Power Proj.		PGCIL					Dec'18/ Dec'19/ Jun'20/ Nov'20	Mar'21	
	400/220 KV Bachchau S/Stn.	2x315		Acquired	100%	100%	100%		Sep'11	Sub station commissioned with ICT's in Sep'11.
	400/220 KV Navsari GIS S/Stn.	2x315		Acquired	100%	100%	100%		July'12	Sub station commissioned with both ICT's in July'12.
	Extn. 400KV at Boisar S/Stn.			Available	100%	100%	100%		Dec'16	Commissioned in Dec'16 alongwith line.
	765/400KV Wardha S/Stn.	3x1500		Acquired	100%	100%	100%		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%	100%		Mar'21	Sub station commisisoned alongwith both ICT's in Jan'14. Bays for 400 kV Wardha Aurangabad line {upgradable to 1200 kV line} commissioned in Mar'21.
	Extn. 765KV at Seoni & Wardha S/stn.			Available	100%	100%	100%		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	100%	100%	100%		Nov'11	Charged in Nov'11.
	Extn. 400KV at Ranchorpura S/stn.			Available	100%	100%	100%		Sep'11	Charged in Sep'11.
	Extn. 400KV Jetpur S/stn.			Available	100%	100%	100%		Aug'12	Commissioned in Aug'12.
	40% Fixed Series Compensation on Wardha - Aurangabad 400KV D/C line.			Available	100%	100%	100%		Mar'21	Ready for commissioning.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
27	Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.		PGCIL					Sep'18/ Sep'19/ Mar'20/ Jun'20/ Nov'20	Sep'20	Compln Sch. : 16 months from IA.
	Extn. at 765/400KV Banaskantha Sub station - 2 nos. 400 kV line bays	-		Available	100%	100%	100%		Sep'20	Bay Charged on 30th August'20. Generation at Radhanesda Solar UMPP is delayed and expected to commission by Apr'21 progressively.
28	Supplementary Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.		PGCIL					Jun'19/ Sep'19/ Mar'20/ Jun'20/ Nov'20	Sep'20	Compln Sch. : 18 months from IA.
	400/220KV Banaskantha (Radhanesda) Pooling station GIS	2x500		Acquired	100%	100%	100%		Sep'20	400 kV Bays charged on 30th August'20. ICTs charged on 1st and 2nd Sep'20 respectively. Generation at Radhanesda Solar UMPP is delayed and expected to commission by Apr'21 progressively.
29	Additional system for Power evacuation from Generation projects pooled at Raigarh (Tamnar) Pool		PGCIL					May'21/ Oct'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	95%	92%	75%		May'21	Work has been affected due to COVID-19 pandemic.
	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	95%	90%	80%		May'21	Work has been affected due to COVID-19 pandemic.
30	Western Region System Strengthening - XX		PGCIL					Aug'21/ Jan'22	Aug'21	Work has been affected due to COVID-19 pandemic.
	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	95%	85%	90%		Aug'21	Efforts are being made to commisison in Apr'21.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn. at 765/400 KV Solapur S/S (1x240 MVA BR alongwith 765 KV bay)			Available	70%	65%			Aug'21	
	Extn. at 400/220 KV Rajgarh S/S (1x125 MVA BR alongwith 400 KV bay)			Available	95%	85%	90%		Aug'21	Efforts are being made to commision in Apr'21.
	Extn. at 765/400 KV Wardha S/S (1x330 MVA BR alongwith 765 KV bay)			Available	90%	65%			Aug'21	
	Extn. at 765/400 KV Aurangabad S/S (1x240 MVA BR alongwith 765 KV bay)			Available	90%	65%			Aug'21	Efforts are being made to commision in May'21.
	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)				93%	65%			Aug'21	
	Part-C: Augmentation of transformation capacity in WR									
	Extn. at 400/220 KV Jabalpur S/S	1x500		Available	85%	80%			Aug'21	Work has been affected due to COVID-19 pandemic and unprecedented heavy rains in the month of Aug'20/ Sep'20. Work is now expected to pickup the pace with improved situtation from Corona and Rains. 400/220 kV 500 MVA ICT of Jabalpur Substation has reached at site on 27th Feb21.
	Extn. at 400/220 KV Itarsi S/S	1x500		Available	90%	85%			Aug'21	Work has been affected due to COVID-19 pandemic. Work is now expected to pickup the pace with improved situtation from Corona and Rains.
31	Scheme to control fault level in at Wardha substation		PGCIL					Mar'22/ Aug'22	Mar'22	
	400 kV Wardha Substation extension (400kV Bus Splitting at Wardha SS)			Available	20%	10%			Mar'22	Award placed in May'20. Engineering actvity is under progress. RoW at all 12 locations near to Wardha Substation (Line Diversion).
32	Western Region System Strengthening Scheme-XXII		PGCIL					Mar'23	Mar'23	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	400 kV Boisar Substation Extension (Conversion of 80 MVAR fixed line reactor at Boisar end of Aurangabad – Boisar 400 kV D/c line to switchable line reactor alongwith NGR bypass arrangement)			Available					Mar'23	Award placed in Aug'20.
33	Extension works at POWERGRID substations for Interconnection of RE Projects		PGCIL					Jan'21	Jun'21	
	Part-A: PG works assoaciated with Western Region Strengthening Scheme - 21									
	Conversion of existing 2x63 MVAR line reactors at Bhachau end of Bhachau - EPGL 400 KV D/C line to switchable line reactors along with 02 nos. 400 kV line reactor bays			Available					May'21	Award placed in Aug'20.
	Part-B: Extension works at Bhuj PS for interconnection of RE Projects									
	Extn. at 765/400/220 kV Bhuj PS			Available	90%	50%			Jun'21	Award placed in Sep'20.
34	Western Region System Scheme XIX - POWERGRID Works		PGCIL					Aug'23	Aug'23	
	Part-A: Additional 400kV outlets from Banaskantha 765/400 kV S/s - 2 nos. of 400kV line bays at Banaskantha (PG) [for termination of LILO of second circuit of Zerda – Ranchodpura 400 kV D/c line at Banaskantha (PG) PS]			Available				Jul'22	Jul'22	
	Part-B: Additional ISTS feed to Navi Mumbai 400/220 kV substation of POWERGRID - 2 nos. of 400 kV line bays at Padghe (PG) GIS [for termination of Padghe (PG) – Kharghar 400 kV D/c (quad) line]			Available				Aug'23	Aug'23	
29	Transmission system for evacuation of power from RE P projects in wind energy zones in Osmanabad area of Maharashtra									

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Conversion of 50MVA Fixed line reactor on each circuit of Parli (PG) - Pune (GIS) 400kV D/c line at Parli (PG) end into to Switchable line reactor			Available					Dec'21	Project is associated with TBCB Project for which schedule is likely to be extended.
	SOUTHERN REGION									
35	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-A)		PGCIL					Jan'19/ Sep'19/ Apr'20/ Sep'20	Apr'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	100%	100%	100%		Apr'20	1st Bay along with Reactor commissioned in Mar'20 and balance in Apr'20.
36	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/ Jun'21	Jun'21	
	+/- 320KV VSC based HVDC Terminal at Pugalur (2000MW)	2000MW		Acquired	99%	100%	99%		Jun'21	Monopole-2 along with 320 kV line and LILO portion commissioned on 9th Mar'21. Monopole-1 testing completed.
	+/- 320KV VSC based HVDC Terminal at North Trichur (2000MW)	2000MW & 630		Acquired	99%	100%	99%		Jun'21	Monopole-2 along with 320 kV line and LILO portion alongwith 2x315 MVA ICTs commissioned on 9th Mar'21. Monopole-1 testing completed.
37	Transmission System for evacuation of power from Neyveli Lignite Corp. Ltd. TS-1 (Replacement) (NNTPS) in Neyveli, Tamil Nadu.		PGCIL					Jul'19/ Jun'20/ Apr'21	Apr'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn at 400KV Ariyalur (Villupuram) S/stn. (TANTRANSCO) scope (2 nos. 400 KV line bays)			Available					Apr'21	Deposit work by TANTRANSCO. In view of Delay in Readiness of Ariyalur SS (TANTRANSCO), interim arrangement has been done to connect associated line to one ckt of LILO section of Pugalur-Kalivandapattu 400 kV D/C line to evacuate power from NNTPS. Readiness of bays expected by Apr'21.
38	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-B)		PGCIL					Feb'19/ Dec'19/ May'20/ Feb'21	Feb'21	
	Extn at 400/220KV Tumkur (Pavagada) Pooling Station (2 nos. 400 KV line bays)			Available	100%	100%	100%		Feb'21	Commissioned in Feb'21.
	Extn at 400/220KV Devanahally (KPTCL) Sub Station (2 nos. 400 KV line bays)			Available					Feb'21	Deposit work by KPTCL. Commissioned in Feb'21.
39	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'21	Jun'21	
	Extn at 400KV Pugalur GIS (8 nos. 400 KV line bays)			Available	99%	99%	98%		Jun'21	4 nos. line bays commissioned in Sep'20. Commissioning of balance bays matching with associated lines.
	Extn at 400KV Pugalur (Existing) Sub Station (2 nos. 400 KV line bays)			Available	100%	100%	100%		Sep'20	Commissioned in Sep'20.
	Extn at 400KV Arasur Sub Station (2 nos. 400 KV line bays)			Available	100%	100%	100%		Sep'20	Commissioned in Sep'20.
	Extn at 400KV Thiruvallam Sub Station (2 nos. 400 KV line bays)			Available	100%	99%	98%		Jun'21	Commissioning matching with line.
	Extn at 400KV Udumulpet Sub Station (2 nos. 400 KV line bays)			Available	100%	99%	98%		Jun'21	Commissioning matching with line.
	Extn at 400KV Edayarpalayam (TANTRANSCO) Sub Station (2 nos. 400 KV line bays)			Available					Jun'21	Deposit work basis.
40	Southern Region System Strengthening - XXVI		PGCIL					Mar'21/ Aug'21	Mar'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	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	100%	100%	100%	Dec'20/ May'21	Mar'21	Commissioned in Mar'21.
	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	100%	100%	100%	Mar'21/ Aug'21	Mar'21	Commissioned in Mar'21.
41	Southern Region System Strengthening - XXV		PGCIL					Jul'21/ Dec'21	Jul'21	
	Augmentation of Transformation Capacity at 400/200 KV Gajuwaka S/S	500		Available	100%	100%	100%		Mar'21	ICT charged in Mar'21.
	Extn. at 400/220 KV Hosur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	85%	60%	40%		Jul'21	Work under progress.
	Extn. at 400/220 KV Madhugiri S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	98%	95%	70%		Jul'21	Work under progress.
	Extn. at 400/220 KV Dharampuri S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	98%	78%	50%		Jul'21	Work under progress.
	Extn. at 400/220 KV Hiriyur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	95%	70%	40%		Jul'21	Work under progress.
	Extn. at 400/220 KV Pugalur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	85%	60%	30%		Jul'21	Work under progress.
	Extn. at 400/220 KV Pugalur HVDC (GIS) S/S (2x125 MVA, 420 KV BR alongwith associated bays)			Available	75%	55%			Jul'21	Work under progress.
42	Transmission system for controlling high Short Circuit Current level at 400 kV Thiruvalem S/S		PGCIL					Aug'21	Aug'21	

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
	Extn. at Thiruvalem Substation i. Installation of 12 Ω , 420 kV fault limiting bus series reactors between: ☐ Bus section-A and bus section-B ☐ Bus Section-B and bus section-C ☐ 4 nos. bays for 2 nos. series bus reactors ii. Opening of the one of the bus (other than on which fault limiting bus series reactors are being installed) between the above mentioned bus sections through suitable arrangement. iii. Bypass of Kolar-Thiruvalem and Thiruvalem-Sriperumbudur 400 kV S/c line to form Kolar – Sriperumbudur 400 kV S/c direct line.				50%	35%	5%		Aug'21	Award placed on 30.06.20. Work under progress.
43	Transmission system for controlling High Loading of Nellore (PG) – Nellore PS 400 kV (Q) D/C Line		PGCIL					Jan'21	Apr'21	
	Extn. at Nellore (PG) Substation (i. Shifting of 125 MVAR and 80 MVAR line reactors at Nellore (PG) from Nellore PS-Nellore(PG) 400kV D/c line to Nellore(PG) – Sriperumbudur 400kV D/c line (with suitable arrangement). ii. Bypassing Nellore PS – Nellore (PG) 400 kV D/c (Quad) line and Nellore (PG) – Thiruvalem 400kV D/c (Quad) line at Nellore (PG) for making direct Nellore PS – Thiruvalem 400kV D/c (Quad) line)				90%	100%	75%		Apr'21	Award placed on 30.06.20. Engg. & civil works in progress. Progress affected due to unprecedented rains & COVID-19 pandemic.
	EASTERN REGION									
44	Eastern Region Strengthening Scheme-V		PGCIL					Dec'18/ Aug'19/ Apr'20/ Sep'20	Jul'20	
										Land acquired in Feb'14. work resumed in Oct/Nov'17 but again stalled from 01.12.17 due to

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	400/220KV Rajarhat S/Stn. (GIS)	2x500		Acquired	100%	100%	100%		Jul'20	protest by locals. Work re-started on 14.08.18 with the help of local administration but severe ROW in line affected completion. 1 ICT charged in Feb'19. ICT-II commissioned in Aug'19. Line bays also commissioned on 12.07.20 with commissioning of Rajarhat-Purnea line.
	Extn at 400KV Purnea S/stn. (2x80MVAR L/R)			Available	100%	100%	100%		Oct'18	Commissioned in Oct'18
	Extn at 400KV Farakka S/stn.			Available	100%	100%	100%		Mar'17	Commissioned in Mar'17.
	Extn at 400KV Gokarna S/stn.			Available	100%	100%	100%		Mar'17	Commissioned in Mar'17.
45	Eastern Region Strengthening Scheme-XII		PGCIL					Jun'19/ Dec'19/ Jun'20/ Sep'21	May'21	
	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	100%	100%	100%		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	100%	100%	100%		Sep'16	Commissioned in Sep'16.
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Purnea S/stn.	370		Available	100%	100%	100%		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

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Date of Completion		Remarks / Reason for Delay/Constraints & assistance required.
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	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	100%	100%	100%		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	90%	90%	65%		May'21	Shifted from Pusauli. ICT was held up at bridge near Farakka. Permission to cross bridge refused by MoST, W.B. ICT was delivered to Durgapur and commissioned at Durgapur. 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	100%	100%	100%		Jan'16	Commissioned in Jan'16.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Purnea S/stn.	60		Available	100%	100%	100%		Feb'16	Commissioned in Feb'16.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Birpara S/stn.	60		Available	100%	100%	100%		Dec'15	Commissioned in Dec'15.
	Modification of 132KV Bus arrangement at 220/132 KV Siliguri & Purnea S/stn. with GIS bays.	-		Available	100%	100%	100%		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	100%	100%	100%		Oct'16	Commissioned in Oct'16.
46	Eastern Region Strengthening Scheme-XV		PGCIL					Apr'18/ Jan'20/ Apr'20/ Mar'21	Apr'21	
	Extn at 400/220KV at Farakka S/stn.			Available	100%	100%	100%		Aug'18	Bay commissioned in Aug'18.
	Extn at 400/220KV at Sagardighi S/stn.			Available	100%	100%	100%		Aug'18	Bay commissioned in Aug'18.
	Extn at 400/220KV at Jeerat S/stn.			Available	99%	99%	99%		Apr'21	Work executed by WBSETCL on deposit basis. Work has been affected due to COVID-19 pandemic.
	Extn at 400KV at Baharampur S/stn.			Available	100%	100%	100%		Aug'18	Bay commissioned in Aug'18.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn at 400KV at Subhashgram S/stn.			Available	100%	100%	100%		Mar'18	Commissioned in Mar'18.
47	Eastern Region Strengthening Scheme-XVII (Part-B)		PGCIL					Jun'19/ Sep'20/ Aug'21	May'21	
	Extn. at 400/220KV Gaya S/stn.	500		Available	100%	100%	100%		Jan'19	Commissioned.
	Extn. at 400/220KV New Siliguri S/s (3rd ICT)	315		Available	97%	100%	90%		May'21	Work has been affected due to COVID-19 pandemic.
	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	85%	80%	70%		May'21	Work has been affected due to COVID-19 pandemic.
	Extn. at 400/220KV Rourkela S/stn.	630		Available	100%	100%	100%		Feb'21	1st 315 MVA ICT commissioned on 05.12.20. 2nd 315 MVA ICT commissioned on 27.02.21.
	Repl. of 400/220KV Malda S/st. (2x315MVA to 2x500 MVA)	370		Available	85%	90%	80%		May'21	1st ICT commissioned on 29.03.21.
	Extn. at Maithon (PG) and Maithon (RB)			Available	85%	90%	70%		May'21	Work has been affected due to COVID-19 pandemic.
	Bypassing arrangement of LILO of 400KV lines at Angul.			Available	100%	100%	100%		Feb'20	Charged in Feb'20.
48	Eastern Region Strengthening Scheme- XVIII		PGCIL					Jul'20/ Dec'20	May'21	Work has been affected due to COVID-19 pandemic.
	Extension at 765kV Ranchi (New) S/s			Available	100%	100%	100%		Feb'21	Commissioned on 09.02.21.
	Extension at 400kV Subhashgram (New) S/s			Available	95%	95%	90%		May'21	Work has been affected due to COVID-19 pandemic. Commissioning matching with associated TBCB line.
49	400KV D/C Baharampur (PG) - Bheramera (B'desh) line (IInd Ckt) - India portion		PGCIL					Feb'20/ Apr'20/ Sep'20	May'20	
	Extn. at 400KV Baharampur S/stn.	-		Available	100%	100%	100%		May'20	Both bays are charged on 07.05.20. Commissioning matching with readiness of bays at Bangladesh end.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
50	Eastern Region Strengthening Scheme - XX		PGCIL					May'20/ May'21	Apr'21	
	Extn. at 400/220KV Biharshariff S/Stn.	500		Available	100%	100%	100%		Sep'19	Commissioned.
	Extn. at 400/220KV Maithon S/Stn.	500		Available	100%	100%	100%		Jul'20	Commissioned.
	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	99%	99%	98%		Apr'21	Work has been affected due to COVID-19 pandemic.
	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	100%	100%	100%		Mar'21	Commissioned on 29.03.21.
	Extn. at 400KV Subhashgram S/Stn.	-		Available	100%	100%	100%		Jan'20	Commissioned.
	Extn. at 765/400KV Ranchi (New) S/Stn.	-		Available	100%	100%	100%		Mar'21	Commissioned on 31.03.21.
	Extn. at 400/220KV New Purnea S/Stn.	-		Available					May'20	Award placed in Dec'17. Work completely at standstill due to lockdown of the entire country due to Corona Pandemic. The Ministry of Home Affairs on 24.03.20 invoked the National Disaster Management act and declared lockdown of the entire country for 40 days.
	Extn. at 220/132 KV Purnea S/Stn.	-		Available	100%	100%	100%		Feb'20	Charged in Feb'20.
51	Eastern Region Strengthening Scheme - XXII		PGCIL					Jan'22	Jan'22	Compln. Sch. - 18 months from IA
	Extn. at 400/220/132 KV Malda S/s (Upgradation work at 132kV Malda Substation from AIS to GIS including additional 2 nos. 132 kV GIS Bays)			Available	20%	4%			Jan'22	Award placed in Jul'20.
52	Eastern Region Strengthening Scheme - XXIII		PGCIL					Jun'21	Jun'21	Compln. Sch. - 11 months from IA

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn. at 400/220 kV Muzaffarpur S/S extn including ICT	500		Available	75%	75%	50%		Jun'21	Award placed in Jul'20. Engg. and site work is under progress.
	Extn. at 400 kV Saharsa S/S			Available	25%	50%			Jun'21	Award placed in Jul'20. Engg. and site work is under progress.
	Extn. at 400 kV Durgapur S/S			Available	20%	25%	10%		Apr'21	Award placed in Jul'20. Engg. and site work is under progress.
	Extn. at 400 kV Kahalgaon S/S (NTPC)			Available	20%	25%			Apr'21	Award placed in Jul'20. Engg. and site work is under progress.
	NORTH EASTERN REGION									
53	North Eastern Region Strengthening Scheme - III		PGCIL					Dec'17/ Jun'18/ Mar'21/ Aug'21	Aug'21	
	2nd ICT at 400/220KV Bongaigaon S/s.	315		Available	100%	100%	100%		Apr'19	Commissioned.
	Repl. of 220/132KV 1x50 MVA to 1x160 MVA at Kopili S/stn.	110		Available	90%	85%	75%		Aug'21	Substation submerged due to bursting of penstock of Kopili HEP.
	Repl. of 220/132KV 2x50 MVA to 2x160 MVA at Balipara S/stn.	220		Available	100%	100%	100%		Apr'20	ICT-I commissioned in Sep'17. ICT-II commissioned in Apr'20.
	Extn. of 220KV Salakati S/stn.			Available	100%	100%	100%		Apr'19	Commissioned.
54	PG works associated with North Eastern Region Strengthening Scheme - V		PGCIL					Apr'20/ Sep'20	Apr'21	
	Extn. at 400/220KV Silchar Sub station				100%	100%	100%		Mar'21	Charged on 09.03.21.
55	PG works associated with North Eastern Region Strengthening Scheme - VI		PGCIL					May'20/ Apr'21	Apr'21	
	Extn. at 400/220KV Misa & Imphal Sub station			Available	98%	98%	95%		Apr'21	Work has been affected due to COVID-19 pandemic. Bays at Imphal charged in Dec'20.
	Extn. 400/220KV New Mariani Sub station	2x500		Available	95%	98%	92%		Apr'21	Work has been affected due to COVID-19 pandemic. 1 no. 400/220 KV, 500 MVA ICT, 1 no. 125 MVAR Bus Reactor & 02 nos. 400 KV line bay for Kohima (KPTL 400 KV D/C Imphal - New Kohima- Mariani TBCB line) commissioned in Dec'20. 2nd 400/220 KV 500 MVA ICT charged in

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Extn. 400/220KV NEW Mariani Sub Station	2x500							Apr'21	Dec'20. 2nd 400/220 KV 500 MVA ICT charged in Feb'21. 01 no. 400 KV 125 MVAR B/R and 02 nos. 400 KV line bays for the shifting of 400 KV D/C Misa line to New Mariani and 02 nos. 220 KV line bays for 220 KV D/C old Mariani -New Mariani line shall be ready by Apr'21.
56	PG works associated with North Eastern Region Strengthening Scheme -II (Part-B)		PGCIL					Sep'20/ Feb'21	Dec'20	Completion Sch. - 20 months to 28 months from IA.
	Extn. at 400/132KV Biswanath Chariyali S/stn.			Available	100%	100%	100%	Jan'20	Jun'20	Bay test charged in Jun'20. Associated TBCB line of Sterlite delayed.
	Extn. at 400/220 KV Silchar GIS S/stn.			Available	100%	100%	100%		Dec'20	Work has been affected due to COVID-19 pandemic. Charged in Dec'20.
	Extn. at 400/220 KV Misa GIS S/stn.			Available	100%	100%	100%		Dec'20	Work has been affected due to COVID-19 pandemic. 80 MVAR Bus Reactor charged in Jun'20 & balance elements charged in Dec'20.
57	North Eastern Region Strengthening Scheme-VIII		PGCIL					Mar'21/ Aug'21	Aug'21	Work has been affected due to COVID-19 pandemic.
	Mokokchung (PG) GIS S/S (220/132 KV, 30 MVA 3rd ICT alongwith associated bays)	3x10		Available	50%	35%	15%		Aug'21	
	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	52%	35%	14%		Aug'21	
	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	60%	40%	15%		Aug'21	
	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	35%	30%	15%		Aug'21	

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	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	45%	35%	15%		Aug'21	
	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	45%	35%	15%		Aug'21	
58	North Eastern Region Strengthening Scheme-X		PGCIL					Feb'22	Feb'22	
	Extension at 132/33 KV Roing (PG) S/S (2 nos. 132 KV line bays)								Feb'22	Award under progress.
	Extension at 132/33 KV Chapakhowa (AEGCL) S/S (2 nos. 132 KV line bays)								Feb'22	Award under progress.
59	North Eastern Region Strengthening Scheme-XI		PGCIL					Dec'21	Dec'21	
	400 kV, 2x63 MVAR Switchable Line Reactor at Imphal S/s			Available						Award under progress.
	100 MVA, 220/132 kV Transformer (3rd) at Salakati S/s	100		Available						Award under progress.
60	North Eastern Region Strengthening Scheme-XIV		PGCIL					Feb'22	Feb'22	
	4 nos. 400 kV Line Bays at Surajmaninagar (TSECL) S/s			Available						Award under progress.
61	North Eastern Region Strengthening Scheme-IX		PGCIL					May'23	May'23	
	2 nos. 132 kV GIS Line Bays at Nirjuli S/s			Available						Award under progress.
62	North Eastern Region Strengthening Scheme-XIII		PGCIL					Sep'22	Sep'22	
	Conversion of 132 kV Bus Bar arrangement at Nirjuli S/s			Available						Award under progress.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Conversion of 132 kV Bus Bar arrangement at Imphal S/s			Available						Award under progress.
	TBCB Project - Sub station									
1	<u>Eastern Region strengthening Scheme - XVIII</u>		PGCIL					Jul'20/ Dec'20	May'21	
	765/400KV Medinipur Sub station (7x500)	2x1500		Acquired	98%	100%	100%		Apr'21	2x1500 MVA ICTs commissioned on 09.02.21. However, commissioning of balance bays associated with Medinipur-Jeerat line expected to be commissioned by Apr'21.
	765/400KV Jeerat (New) Sub station (7x500)	2x1500		Acquired	85%	92%	75%		May'21	Work has been affected due to COVID-19 pandemic. Work also affected due to cyclone AMPHAN in May'20. Commissioning matching with associated Jeerat-Subhashgram (TBCB) line (ant. by May'21).
	Extn. at 400KV Jeerat S/stn (WBSETCL)			Available	98%	99%	95%		Apr'21	Exectued by WBSETCL. Work has been affected due to COVID-19 pandemic. Work also affected due to cyclone AMPHAN in May'20.
2	<u>Eastern Region strengthening Scheme - XXI</u>		PGCIL					Mar'21/ Aug'21	Apr'21	
	400/220/132KV Sitamarhi Sub station	2x500 & 2x200		Acquired	98%	99%	99%	Jan'21/ Jun'21	Apr'21	Work completed, bays for Ckt-I of Darbhanga-Sitamarhi line charged on 31.03.21. Commissioning of ICT along with balance bays expected in Apr'21.
	400/220/132KV Chandauti Sub station	3x500 & 3x200		Acquired	100%	100%	100%	Mar'21/ Aug'21	Mar'21	Commissioned on 11.03.21.
	400/220/132KV Saharsa Sub station	2x500 & 2x200		Under acq.	80%	90%	60%	Mar'21/ Aug'21	Apr'21	Work has been affected due to COVID-19 pandemic.
	Extn. at 400KV Darbhanga S/stn			Available	99%	99%	99%	Jan'21/ Jun'21	Apr'21	Bays for Darbhanga-Sitamarhi line (ckt-1) charged on 31.03.21. Charging of balance bay expected in Apr'21.
	Extn. at 400KV Motihari S/stn	315		Available	98%	99%	98%	Jan'21/ Jun'21	Apr'21	Work has been affected due to COVID-19 pandemic.

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
3	<u>Transmission System associated with LTA application from Rajasthan SEZ (Part -A)</u>		PGCIL					Dec'20/ May'21	Apr'21	
	2 nos 765kV line bays (AIS) at Ajmer (PG) S/s for Ajmer (PG) –Phagi (RVPN) 765kV D/c line.			Available	99%	99%	99%		Apr'21	Testing in progress.
	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	99%	99%	99%		Apr'21	Testing in progress.
4	<u>Transmission System associated with LTA application from Rajasthan SEZ (Part -B)</u>		PGCIL					Dec'20/ May'21	May'21	
	2 nos of 765kV bays each at Fatehgarh-II for Fatehgarh-II – Bhadla-II 765kV D/c line.			Available	65%	45%			May'21	Civil works under progress.
	2 nos of 765kV bays at Bhadla-II S/s for Fatehgarh-II – Bhadla-II 765kV D/c line.			Available	82%	45%			May'21	Civil works under progress.
5	<u>Transmission System associated with LTA application from Rajasthan SEZ (Part -C)</u>		PGCIL					Dec'20/ May'21	May'21	
	Establishment of 765/400kV, 2x1500 MVA S/s at suitable location near Khetri with 765kV (2x240MVAR) and 400kV (1x125 MVAR) bus reactor	2x1500		Available	45%	65%	20%		May'21	There was some delay in land acquisition, now works under progress.
	400kV line bays at Sikar (PG) for Khetri – Sikar (PG) 400kV D/c line (Twin AL59)			Available	80%	82%	65%		May'21	Works under progress.
	765kV bays at Jhatikara for Khetri– Jhatikara 765kV D/c line			Available	75%	65%	15%		May'21	Works under progress.
6	<u>Transmission System for providing connectivity to RE Projects at Bhuj-II (2000 MW) in Gujarat</u>		PGCIL					Dec'20/ May'21	May'21	
										Work has been affected due to COVID-19

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	Establishment of 765/400/220 KV Bhuj-II Substation (7x500 MVA 765/400 KV & 4x500 MVA 400/220 KV)	2x1500 & 4x500		Available	75%	55%	20%		May'21	pandemic. Supply of on-shore and off-shore equipment is expected to be delayed due to Corona virus outbreak globally. Supply of BHEL make ICT and Reactors and supply of GIS from NHVS China is very critical. Resolution of RoW in associated transmission line is under progress.
7	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under phase-II- Part A		PGCIL					Sep'22	Sep'22	SPV transferred in Mar'21.
	400/220kV Ramgarh-II PS(4x500 MVA Transformer & 2x125MVAR, 420kV Bus Reactor)	2000		Land under finalisation						Land under finalisation
	2 nos. of 400kV line bays atJaisalmer II (RVPN) for Ramgarh II –Jaisalmer II400kV D/c line									
8	Transmission system strengthening scheme for evacuation of power from solar energy zones in Rajasthan (8.1 GW) under phase-II- Part F		PGCIL					Sep'22	Sep'22	SPV transferred in Mar'21.
	Establishment of 400/220kV, 6x500MVA Pooling Station at Bikaner-II with 2x125 MVAr bus reactor and with suitable bus sectionalisation at 400 and 220 kV level.	3000		Land under finalisation						Land under finalisation
	400/220kV Bikaner-II (New) substation (± 300 MVAR, 2x125 MVAR MSC, 1x125 MVAR MSR)			Land under finalisation						Land under finalisation
	Construction of 4 nos. of 400kV line bays at Khetri for Bikaner II – Khetri 400kV 2xD/c line. Construction of 2 nos. of 400kV line bays at Khetri for Khetri - Bhiwadi 400kV D/c line			Available						
	Construction of 2 nos. of 400 kV (GIS) line baysat Bhiwadi for Khetri- Bhiwadi 400kV D/c line			Available						
9	Connectivity system for Khargone TPP. M/s by Khargone. By M/s Sterlite		Khargone Transmissi on Ltd							

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipate d date	
	765/400 kV Khandwa Pooling Station	2x1500		100%	100%	100%	100%	Jul'19	Mar'20	Commissioned 03/2020
10	Additional 400kV Feed to Goa and Additional System for Power Evacuation from Generation Projects pooled at Raigarh (Tamnar) Pool		Goa-Tamnar Transmissi on Project Limited					Nov'21		
	400/220 kV Substation at Xeldem (Goa)	2x500		100%				May'21	Oct'21	1. Delay due to occurrence of Force Majeure (FM) event i.e. outbreak of COVID-19 2. The construction work will be started after getting Conversion Sanad from Revenue authorities. The construction License from Gram Panchayat, Molem has been received on 13 Nov 2020. 3. The progress is suffered due to petition filed by Goa Foundation in Central Empowered Committee (CEC) constituted by Supreme court and High Court of Mumbai & Goa
11	Establish Transmission System for 400 kV Udupi (UPCL) – Kasargode D/C Line		Udupi Kasargode Transmissi on Limited.					Nov'22	Mar'22	
	400/220 kV GIS substation at Kasargode	2x500		100%				Nov'22	Mar'22	

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
12	Western Region Strengthening Scheme-XIX (WRSS-XIX) and North Eastern Region Strengthening Scheme-IX (NERSS-IX		Vapi II-North Lakhimpur Transmission Limited Sterlite Grid 13 Limited (A Subsidiary of Sterlite Power Trans. Limited)					Apr'23		
	Vapi / Ambheti (Vapi – II)	2x500						Apr'23		
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		
	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%	90%	95%	80%	May'19		• Revised schedule completion date: 18 months from date of NOC from CCL/MoC. SDM, Dhanbad vacated the Sec-144 and order received on 15-03-21. It is expected that Work will complete by 31-05-21.
15	Transmission System for Ultra Mega Solar Park in Fatehgarh, Distt. Jaisalmer Rajasthan By M/s Adani									
	400 KV Pooling Station At Fategarh			100%	100%	98%	96%	Sep'19	May'21	May'21, subject to vacation of Hon'ble High Court Status Quo order by 1st week of Apr'21

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					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Original schedule	Anticipated date	
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		100%	50%	80%	20%	Dec'20	Nov'21	On Account of Severe ROW in the state of Gujarat. Work affected due to COVID-19
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		100%	95%	70%	50%	Mar'21	Aug'21	Work affected due to COVID-19