



ISO: 9001-2008

**Monthly Progress report of Cross border/ Inter-Regional/
Inter–State Transmission Schemes (RTM Projects)
(As on 30.06.2020)
Government of India
Ministry of Power
Central Electricity Authority
New Delhi**

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

PART- I: पारेषण लाईंस TRANSMISSION LINES

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

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	400KV D/C Jigmeling - Alipurduar line (Q) (india Side) *	326		466	434	417	220	Jan'18	Dec'20	Working permission in Forest in Assam received in Feb'19. Alternate arrangements made for evacuation of power (contingency through Punatsangchu ATS). Work progress is slow due to lockdown of the entire country due to Corona Pandemic & rain at site. 9.6 km in West Bengal in ROW.
3	India-Bangladesh									

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	400 kV DC Surajmaninagar (I) - North Comilla (B) by PGCIL / BPDB	54	PGCIL					Jul'21		PROJECT DROPPED
	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-REGIONAL / INTERSTATE TRANSMISSION SYSTEM									
1.0	MULTI REGIONAL SYSTEMS (IR Lines*)									
1	North East / Northern Western Interconnector -I Project	5103	PGCIL	6563	6310	6078	4519	Mar'22	Mar'22	
	Part-A : North East - Northern/ Western Interconnector -I	3697		4668	4668	4668	3697	Sep'16	Sep'16	Part- A, Completed.

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

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	400KV D/C Lower Subhansiri - Biswanath Chariyali line -I	335		444	329	228	64		Mar'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. Tendering for balance work is in progress based on communication received from NHPC that Ist unit will come in May'23.
	400KV D/C Lower Subhansiri - Biswanath Chariyali line -II	348		465	327	196	35		Mar'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. Tendering for balance work is in progress based on communication received from NHPC that Ist unit will come in May'23.
2	Transmission System Strengthening in Indian System for Transfer of Power from Mangdechhu Hydroelectric Proj, in BHUTAN.	326	PGCIL	466	434	417	220	Mar'19/ Dec'19/ Mar'20/ May'20	Dec'20	

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	400KV D/C Jigmeling - Alipurduar line (Q) (india Side) *	326		466	434	417	220		Dec'20	Working permission in Forest in Assam received in Feb'19. Alternate arrangements made for evacuation of power (contingency through Punatsangchu ATS). Work progress is slow due to lockdown of the entire country due to Corona Pandemic & rain at site. 9.6 km in West Bengal in ROW.
3	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-I : Raigarh-Pugalur 6000 MW HVDC System	3530.6	PGCIL	4773	4772	4771	3523.8	Nov'19/ May'20	Sep'20	The Ministry of Home Affairs on 24.03.20 invoked the National Disaster Management act and declared lockdown of the entire country up to 31st May'20. As per MHA guidelines, after getting permission from District administration, work resumed. However progress is slow due to limited permission with regard to inter state movement of labours/ Quarentine compliance.

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	+/- 800KV Raigarh (HVDC Stn.) - Pugalur (HVDC Stn.) HVDC Bipole link *	3530.6		4773	4772	4771	3524		Aug'20	Huge forest involvement (432 Ha.) in WR portion. Working permission received in Oct'18. Wildlife corridor clearance discussed on 18.07.19 in NBWL meeting, minutes issued in Aug'19 end.
2.0	<u>NORTHERN REGION</u>									
4	Transmission System associated with Tehri Pump Storage Plant (PSP)	15	PGCIL	46	44	42	14	Sep'19/ Dec'20	Dec'20	
	400KV S/C Tehri Gen. - Tehri Pooling Station (Q)	13		38	36	34	12		Dec'20	02 locations under severe ROW. Line linked with Tehri Generation (expected by Dec' 20). Work was 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. Work restarted with limited labour due to restriction.
	Charging of Tehri Pooling - Meerut 765KV line	2		8	8	8	2		Jun'20	Circuit-I charged in Apr'20. Circuit-II charged in Jun'20.

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5	Creation of 400/220KV S/Stn. in NCT of Delhi during 12th Plan Period (Part-A)	137	PGCIL	130	106	104	93	Jun'19/ Jul'20	Dec'20	
	LILO of both ckt of Bawana - Mandola 400KV D/C line at Maharaniabagh (Multi Ckt tower with twin/HTLS Cond.)	120		89	79	79	93		Dec'20	Forest proposal under DPTA & FCA submitted. Land allocated by DDA for CA. Approval & tree cutting permission awaited. Forest clearance proposal (FCA) to be processed further by Delhi forest deptt.
	LILO of one ckt of Bamnauli - Jattikalan 400KV D/C line at Dwarka-I (with twin/HTLS Cond.)	17		41	27	25			Dec'20	Forest proposal under DPTA & FCA submitted. Land allocated by DDA for CA. Approval & tree cutting permission awaited. Forest clearance proposal (FCA) to be processed further by Delhi forest deptt.
6	Northern Region System Strengthening Scheme - XXXV	122	PGCIL	181	157	109	8	Aug'18	Mar'21	
	400KV D/C Mohindergarh - Bhiwani line	122		181	157	109	8		Mar'21	Executing agency has undergone NCLT and now contract terminated. Balance work awarded in Nov'19. Work restarted.

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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	50	50	43	Feb'19/ Jun'19/ Apr'20	Oct'20	
	220KV D/C UT Chandigarh S/S - Panchkula (PG) S/S line (incl. 9.7 Kms underground cable).	48		56	50	50	43		Oct'20	Work of downstream system yet to be taken up by UT Chandigarh. Underground cable laying completed. Court case in 04 location in view of ROW which is hampering progress. Court case hearing postponed and scheduled on 27.07.20.
8	System Strengthening Scheme in Northern Region - XXXVII	45.4	PGCIL	115	101	87	27	Dec'19/ Jun'20	Dec'20	
	LILo of both ckt of 400KV Dhauliganga - Bareilly (PG) line at Jauljivi	5.4		13	10	10	2		Oct'20	Construction activities were kept in abeyance due to country wide lockdown for prevention of COVID-19 spread. Works restarted as per MHA Guidelines.
	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		Oct'20	Stage-I & Stage-II forest clearance received on 22.01.2020 & 12.06.2020 respectively. Construction activities were kept in abeyance due to country wide lockdown for prevention of COVID-19 spread.

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	Disconnection of 220KV LILO arrangament of Dhauliganga - Bareilly at Pithoragarh and connecting it to Jauljivi S/Stn. at 220KV level	24		75	64	50	10		Oct'20	Stage-I forest clearance received on 31.10.19. Working permission received on 23.12.19. Civil Aviation clearance yet to be received. Construction activities works were kept in abeyance due to lockdown for prevention of COVID-19 spread. Works restarted as per MHA Guidelines.
9	Transmission System for Solar Energy Zones in Rajasthan	783	PGCIL	1073	706	421	12	Dec'20	Mar'21	
	LILO of both circuits of 765 KV D/C Ajmer-Bikaner line at Bhadla-II PS	527		722	612	391	12		Mar'21	Work progress hampered due to lockdown of the entire country due to Corona Pandemic from 22.03.2020. Work restarted.
	400 KV D/C Bhadla-II PS-Bhadla (PG) line (Twin HTLS)	100		130	31	11			Mar'21	Work progress hampered due to lockdown of the entire country due to Corona Pandemic from 22.03.2020. Work restarted.
	LILO of both circuits of 765 KV D/C (op. at 400 KV) Fatehgarh (TBCB)-Bhadla (PG) at Fatehgarh-II PS	156		221	63	19			Mar'21	Work progress hampered due to lockdown of the entire country due to Corona Pandemic from 22.03.2020. Work restarted.
3.0	<u>WESTERN REGION</u>									

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10	Transmission System Associated with Mundra Ultra Mega Power Proj.	3639	PGCIL	4927	4927	4927	3600	Dec'18/ Dec'19/ Jun'20	Sep'20	
	Part-A - Tr. System of Mundra (UMPP)									
	400KV D/C Mundra - Limbdi line (Triple snowbird)	628		863	863	863	628		Feb'12	Line commissioned in Feb'12.
	400KV D/C Mundra - Bachchau line (Triple snowbird)	198		285	285	285	198		Sep'11	Line commissioned in Sep'11.
	400KV D/C Bachchau - Ranchodpura line (Triple snowbird)	566		755	755	755	566		Sep'11	Line commissioned in Sep'11.
	400KV D/C Mundra - Jetpur line (Triple snowbird)	672		918	918	918	672		Dec'12	Part of line (314 Ckm) commissioned in Aug'12 & balance (358 Ckm) commissioned in Dec'12.
	Part-B - Regional System Strengthening in WR for Mundra (UMPP)									
	400KV D/C Gandhar - Navsari line	204		288	288	288	204		July'12	Line commissioned in July'12.

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	400KV D/C Navsari - Boisar line (Multi-ckt locs. 109 nos. with Vapi-Kudus line & 100 nos. with A'bad-Boisar line have been included in 400KV D/C Navsari-Boisar line).	373		567	567	567	373		Dec'16	Contingency arrangement to connect Navsari-Boisar with Vapi-Navi Mumbai line by by-passing forest area, to form Vapi - Navsari line (212 Ckm, up to common point) commissioned in Mar'13. Balance portion (161 Ckm) commissioned in Dec'16.

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	400KV D/C Wardha - Aurangabad line (up-gradation 1200KV S/C)	696		961	961	961	657		Sep'20	Contract terminated 01 out of 02 packages due to unsatisfactory performance. The new package bifurcated into two part. 1st part awarded in Dec'14 and second part in Feb'15. Pkg D1: Due to thunderstrom and cyclone in Jun'18, about 6 Tower Foundation, 11 tower erection & approx. 9 ckm stringing damaged. 01 Tower Rectification and 2.5kM destringiung and strining is balance in Pkg D1. Pkg D2: Work is held up because of Covid-19 pandemic and country wide Lockdown. Approx. 19.5km stringing is balance. Police protection is required to carry out balance stringing work due to severe RoW. Police protection could not be arranged due to prior engagement of Police personnel in managing situation emerged from COVID-19. Labourers retained at site till lockdown 3.0 by POWERGRID, now returend to their home state after facilitating their movement through Shrmaik special by government. Resumption of work

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	400KV D/C Aurangabad (PG) - Aurangabad (MSETCL) line (Q) (59Km) and Shifting of 400KV Akola -Aurangabad (MSETCL) to Aurangabad (PG) (Twin) line (51Km)	220		145	145	145	220		Apr'14	Akola-Aurangabad line (PG) twin commissioned in Jan'14 (102 Ckm) Aurangabad-Aurangabad (Q) portion commissioned in Apr'14.
	LILO of both Ckt of Kawas - Navsari 200KV D/C at Navsari	82		145	145	145	82		July'12	Commissioned in Jul'12.

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11	<i>Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.</i>	132	PGCIL	183	183	183	125	Sep'18/ Sep'19/ Mar'20/ Jun'20	Jul'20	Gen. delayed (expected by Apr'21).
	400KV D/C Banaskantha PS - Banaskantha (PG) line	132		183	183	183	125		Jul'20	Completion matching with Banaskantha (Radhanesda) S/stn. Work was held up due to non -availability of labour as all labour left the site after lockdown 3.0. Now work has been resumed.
12	<i>Western Region System Strengthening Scheme-XXII</i>	37.04	PGCIL	69				Mar'23	Mar'23	
	220 kV D/C Navsari (PG) – Bhestan line	37.04		69				Dec'20	Dec'20	Package Awarded to M/s APSPL on 22.05.2020. Engineering activity is under progress.
4.0	<u>SOUTHERN REGION</u>									
13	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	Apr'20	
	400KV D/C Hiriya - Mysore line	412		565	565	565	412		Apr'20	1st Ckt charged in Mar'20 and 2nd ckt in Apr'20.

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14	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	276.4	PGCIL	408	382	331	123	Apr'20	Dec'20	The Ministry of Home Affairs on 24.03.20 invoked the National Disaster Management act and declared lockdown of the entire country up to 31st May'20. As per MHA guidelines, after getting permission from District administration, work resumed. However progress is slow due to limited permission with regard to inter state movement of labours/ Quarentine compliance.
	320KV HVDC Pugalur - North Trichur (Kerala) line	275		404	378	327	122		Dec'20	Progress also affected due to severe ROW issue in Tamil Nadu.
	LILo of 400KV D/C North Trichur - Cochin line at North Trichur HVDC Station (Q)	1.4		4	4	4	1		Dec'20	
15	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	Jul'20	
	400KV D/C NNTPS Sw. Yd. - Ariyalur (Villupuram) line	147		213	213	213	147		Jul'20	In view of Delay in Readiness of Ariyalur SS (TANTRANSCO), Interim arrangement has been done to connect this line to one ckt of LILo section of Pugalur-Kalivandapattu 400 kV D/C line to evacuate power from NNTPS.

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	LILO of existing Neyveli TS-II - Pondy cherry 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).
16	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-B)	312	PGCIL	428	418	382	255	Feb'19/ Dec'19/ May'20	Sep'20	
	400KV D/C Tumkur (Pavagada) PS - Devanahally (KPTCL) line - (Q) (139.30 D/C & 13.20 M/C)	312		428	418	382	255		Sep'20	Progress affected due to limited permission with regard to inter state movement of labours/ Quarentine compliance in view of COVID 19 and ROW issue especially in Bangalore area.
17	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	1696	1453	1206	358	Feb'20/ Sep'20	Dec'20	The Ministry of Home Affairs on 24.03.20 invoked the National Disaster Management act and declared lockdown of the entire country up to 31st May'20. As per MHA guidelines, after getting permission from District administration, work resumed . However, progress hampered due to limited permission with regard to inter state movement of labours/ Quarentine compliance.

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	400KV D/C Pugalur HVDC Station - Pugalur line (Q)	100		138	138	138	100		Aug'20	Commissioning of the line matching with 800 kV HVDC Raigarh Pugalur link.
	400KV D/C Pugalur HVDC Station - Arasur line (Q)	118		162	154	146	79		Aug'20	Progress also affected due to severe ROW problem in Tamil Nadu. Efforts are being made to resolve the issue with the help of Distt. Admn.
	400KV D/C Pugalur HVDC Station - Thiruvalam line (Q)	779		1109	944	807	167		Dec'20	Progress also affected due to severe ROW problem in Tamil Nadu. Efforts are being made to resolve the issue with the help of Distt. Admn.
	400KV D/C Pugalur HVDC Station - Edayarpalayam (TANTRANSCO) line (Q)	105		150	91	33	12		Nov'20	Progress also affected due to severe ROW problem in Tamil Nadu. Efforts are being made to resolve the issue with the help of Distt. Admn.
	400KV D/C Edayarpalayam (TANTRANSCO)-Udumulpet line (Q)	94		137	126	82			Nov'20	Progress also affected due to severe ROW problem in Tamil Nadu. Efforts are being made to resolve the issue with the help of Distt. Admn.

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5.0	<u>EASTERN REGION</u>									
18	Eastern Region Strengthening Scheme-V	963	PGCIL	1344	1344	1344	963	Dec'18/ Aug'19/ Apr'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. Severe ROW problem at Rajarhat area. Work in Rajarhat was on hold for last 16 months. Work resumed in Oct'17 & again stopped on 01.12.2017 due to protest. Work re-started on 14.08.18 with the help of State administration & again stopped from Jan'19 to 07.02.2020. Work restarted on 08.02.20. All work is now completed. Anti theft charging of one circuit have done on 20.06.20.

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	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.
19	Eastern Region Strengthening Scheme-XV	204	PGCIL	291	291	290	203	Apr'18/ Jan'20/ Apr'20	Jul'20	
	400KV D/C Farakka - Baharampur Line (Twin HTLS)	164		229	229	229	164		Sep'18	Line completed in Aug'18 & commissioned in Sep'18.

Sl. No.	Name of the Trans line	Length (CKM) in Indian territory	Executing Agency	Progress of Construction				Completion Target		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	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	7	1		Jul'20	Schedule extended due to corridor constraint at Jeerat S/S for bays. 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.
	Removal of the existing LILO of Farakka - Jeerat S/C line at Baharampur								Aug'18	Completed in Aug'18.
20	Eastern Region Strengthening Scheme-XVII (Part-B)	63	PGCIL				5	Jun'19/ Sep'20	Nov'20	
	Re-conductoring of Maithon RB - Maithon 400KV D/C line	63					5		Nov'20	Shutdown required. Also, 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.

Sl. No.	Name of the Trans line	Length (CKM) in Indian territory	Executing Agency	Progress of Construction				Completion Target		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
21	400KV D/C Baharampur (PG) - Bheramera (B'desh) line (IInd Ckt) - India portion	172	PGCIL	247	247	247	172	Feb'20/ Apr'20	May'20	Work completed. Both circuit charged upto Indian portion on 07.05.20. Commissioning matching with Bangladesh side readiness.
22	Eastern Region Strengthening Scheme - XX	222	PGCIL				84	May'20	Sep'20	Compln. Sch.- 30 months from IA.
	Re-conductoring of Rangpo - New Siliguri 400KV D/C line (The existing Twin ACSR Moose line to be re-conducted with Twin HTLS conductor)	220					82		Sep'20	Shutdown availed from 01.11.19. 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.
	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.
23	TS for transfer of Power from Gen. Proj. in Sikkim to NR/WR (Part-B1)	24	PGCIL	35	23	11	1.5	Jun'20	Sep'20	Compln. Sch.- 30 months from IA.

Sl. No.	Name of the Trans line	Length (CKM) in Indian territory	Executing Agency	Progress of Construction				Completion Target		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	LILO of IInd Ckt of Teesta III - Kishanganj 400KV D/C line at Rangpo (Q)-Twin HTLS cond.	24		35	23	11	1.5		Sep'20	Award placed in Dec'17. Major portion of line is in forest (40 Ha), Forest stage-I approval received in Jan'19. Working permission received in Mar'19. Slow progress due to delay in tree enumeration & tree felling, head loading on account of hilly terrain, road making to reach the working site & local ROW. Also, work was 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 upto 31.05.20.

Sl. No.	Name of the Trans line	Length (CKM) in Indian territory	Executing Agency	Progress of Construction				Completion Target		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	<u>NORTH EASTERN REGION</u>									
24	PG works associated with North Eastern Region Strengthening Scheme -V	46	PGCIL	83				Apr'20	Mar'21	
	Additional 400KV D/C line at Palatana S/stn. & Surajmaninagar S/stn. end for termination of Palatana - Surajmaninagar 400KV D/C line	24		46					Mar'21	Palatana end: Survey completed, work progress affected due to lockdown of the entire country due to Corona Pandemic. Due to change in location of substation under TBCB line, scope of work for Surajmaninagar end changed. Tendering for Surajmaninagar is going on.
	Additional 400KV D/C line at P.K.Bari S/stn. & Silchar S/stn. end for termination of P.K. Bari - Silchar 400KV D/C line	22		37					Dec'20	Foundation work statrted, work progress affected due to lockdown of the entire country due to Corona Pandemic and rain at site.
25	PG works associated with North Eastern Region Strengthening Scheme - VI	2	PGCIL	8				Jul'20	Oct'20	

Sl. No.	Name of the Trans line	Length (CKM) in Indian territory	Executing Agency	Progress of Construction				Completion Target		Remarks / Constraints & assistance required.
				Locs. (no.)	Stubs Setting (no.)	Tower Erect. (no.)	Strng. (Ckm)	Original Commissioning Schedule	Anticipated Completion	
	Disconnection of Mariani-Misa 400KV line (presently operated at 220KV) from mariani and termination of the same at 400KV Bus at both New Mariani and Misa S/stn. and operation of the resultant New Mariani (PG) Misa line at 400KV (Both Ckts)	2		8					Oct'20	Survey completed. Work progress affected due to lockdown of the entire country due to Corona Pandemic.

PART- II: सब स्टेशन SUBSTATION

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	MULTI REGIONAL SYSTEMS									
1	North East / Northern Western Interconnector - I Project		Feb'09/ Nov'15/ Mar'18					Mar'22	Mar'22	
	Part-A : North East - Northern/ Western Interconnector -I							Sep'16	Sep'16	Part- A, Completed.
	400/132KV Biswanath Chariyali Pooling Station	2x200		Acquired	Compltd	Compltd	Compltd		Jan'16	Sub station along with ICT-II commissioned in Oct'15 & ICT -I in Jan'16.
	HVDC Rectifire Module at Biswanath Chariyali (3000MW)			Acquired	Compltd	Compltd	Compltd		Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
	HVDC Rectifire Module at Agra (3000MW)			Acquired	Compltd	Compltd	Compltd		Sep'16	Pole-I test commissioned in Oct'15. Pole -II commissioned in Sep'16.
	Aug. of 400KV Agra S/Stn.	1x315		Available	Compltd	Compltd	Compltd		Jan'16	Commissioned in Jan'16.
	Extn. of 400KV Balipara S/Stn.			Available	Compltd	Compltd	Compltd		Sep'15	Commissioned.
	Extn. of 132KV Biswanath Chariyali S/Stn.			Available	Compltd	Compltd	Compltd		Sep'15	Commissioned.
	Part-B : Transmission System for immediate evacuation of Power from Kameng HEP							Mar'18	Mar'18	Part- B, Completed.
	2nd ICT of 400/220KV Misa S/Stn.	1x315		Available	Compltd	Compltd	Compltd		Jun'12	Commissioned in Jun'12.
	Extn. of 400KV Balipara S/Stn.			Available	Compltd	Compltd	Compltd		Mar'18	Bongaigaon bay commissioned in Oct'14. Balance in Mar'18.
	Extn. of 400KV Bongaigaon S/Stn.			Available	Compltd	Compltd	Compltd		Oct'14	Commissioned
	Part-C : Transmission System for immediate evacuation of Power from Lower Subhansiri HEP							Mar'22	Mar'22	Gen. Sch. uncertain.
	Extn. 400KV at Biswanath Chariyali Pooling stn.			Available	15%				Mar'22	Completion matching with line (Line work stalled due to agitation against big dam, Gen. sch. uncertain).
2	Transmission System Strengthening in Indian System for Transfer of Power from Mangdechhu Hydroelectric Proj, in BHUTAN		Mar'16 / Mar'18/ Mar'19/ Sep'19/ Mar'20					Mar'19/ Dec'19/ Mar'20/ May'20	Dec'20	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn at 400KV bays at Alipurduar S/stn.			Available	99%	99%	99%		Dec'20	Bay available. 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		May'16/ Nov'19					Nov'19/ May'20	Sep'20	
	800KV HVDC Raigarh Station with 6000 MW HVDC Terminal			Acquired	96%	90%	83%		Sep'20	Work was completely at standstill due to lockdown of the entire country due to Corona Pandemic. Work resumed from last week of Apr'20.
	800KV HVDC Pugalur Station with 6000 MW HVDC Terminal			Acquired	96%	88%	82%		Sep'20	Work was completely at standstill due to lockdown of the entire country due to Corona Pandemic. Work resumed from first week of May'20.
4	POWERGRID works associated with additional 400 KV feed to Goa		Sep'18					Sep'21	Sep'21	Compln Sch. : 30-36 months from IA.
	400 KV Extn. at Mapusa sub station (02 nos. 400 KV line bays for termination of Xeldem-Mapusa 400 KV D/C (Q) line (under TBCB))			Available	45%	10%		Mar'21	Mar'21	Awarded in Sep'18. Civil work and supply is under progress. Work was on hold due to corona virus outbreak & country wide lockdown. Now, work has been resumed after Lockdown 3.0 with limited manpower.
	400 KV Extn. at Narendra (New) (Kudgi-GIS) sub station (1x80 MVAR, 420 KV LR along with 500 ohms NGR for Narendra (New)-Xeldem 400 KV (Q) line formed after LILO of one ckt of Narendra (Existing)-Narendra (New) 400 KV D/C (Q) line at Xeldem)			Available	30%	10%			Sep'21	Progress affected due to limited permission with regard to inter state movement of labours/ Quarantine compliance.
5	POWERGRID works associated with New WR-NR 765 KV Inter-Regional Corridor		Sep'18					May'21	May'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	2 nos. 765 KV line bays at Vindhyachal Pooling Station			Available	84%	70%	30%		May'21	Awarded in Sep'18. Tower & equipment foundation completed. Work was on hold due to country wide lockdown because of COVID-19 Pandemic. Now, work has been resumed after Lockdown 3.0 with limited manpower.
	2 nos. 765 KV line bays along with 2x330 MVAR LR (non-switchable) at Varanasi GIS			Available	58%	30%	15%		May'21	Supply of GIS from NHVS, China getting delayed. Construction activities were kept in abeyance due to country wide lockdown for prevention of COVID-19 spread. Works restarted as per MHA guidelines.
6	System Strengthening Schemes at Tuticorin-II (erstwhile Tirunelveli GIS) and Bhuj PS		Nov'18					Jun'20	Dec'20	Compln Sch. : 15-19 months from IA.
	Part-A: Augmentation at 400/230 KV Tuticorin-II (GIS) S/S (500 MVA 400/220 KV transformer & associated bays (GIS))	500		Available	95%	75%	55%	Feb'20	Sep'20	Supply being delayed due to limited permission with regard to inter state movement of labours/ Quarentine compliance.
	Part-B: Augmentation at 765/400/220 KV Bhuj S/S (2x1500 MVA 765/400 KV transformer & 16 nos. bays (AIS:11, GIS:5) 6x500 MVA 400/220 KV transformer)	6000			60%	50%	35%		Dec'20	2 nos. 400/220 KV 500 MVA ICT commissioned in Oct'19. Commissioning of 3rd 400 kV ICT in Jul'20 & 1st bank of 765 kV ICT in Aug'20 with contingency plan and balance assets by Dec'20 progressively. Work was on hold due to country wide lockdown because of COVID-19 Pandemic. Now, work has been resumed after Lockdown 3.0 with limited manpower.
	NORTHERN REGION									
7	Transmission System associated with Tehri Pump Storage Plant (PSP)		Jan'15 / Mar'18/ Mar'20					Sep'19/ Dec'20	Dec'20	
	765/400KV Tehri Pooling Station (GIS)	4x800			97%	95%	90%		Dec'20	3 nos. ICT commissioned in Apr'20. Work progress slow due to lockdown of the entire country due to Corona Pandemic.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 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)		Mar'15/ Mar'17/ Mar'20					Jun'19/ Jul'20	Dec'20	Work completely at standstill due to lockdown of the entire country due to Corona Pandemic.
	Extn. at 400KV bays at Maharanibag S/stn. <i>(in place of 400/220KV Rajghat S/stn. - Anuled)</i>	-		Available	80%	70%	45%		Dec'20	Rajghat S/stn. anuled. Additional bays at Maharanibag in place of Rajghat S/S. Award placed in Jan'18.
	400/220KV Dwarka -I Sub station (GIS)	4x500		Acquired	99%	98%	95%		Dec'20	220 KV GIS Charged in March'20. 400 kV GIS matching with line.
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.		Feb'17/ Mar'19/ Aug'19					Feb'19/ Jun'19/ Apr'20	Oct'20	Work completely at standstill due to lockdown of the entire country due to Corona Pandemic.
	220/66KV UT Chandigarh (GIS) Sub station	2x160		Acquired	98%	95%	92%		Oct'20	Work of down stream line yet to be taken up by UT Chandigarh.
	Extn at 400/220KV Panchkula Sub station	-		Available	98%	98%	98%		Oct'20	Commissioning matching with line.
10	System Strengthening Scheme in Northern Region - XXXVII		Mar'17/ Feb'20					Dec'19/ Jun'20	Dec'20	
	400/220KV Jauljivi (GIS) Sub station	7x105		Acquired	85%	80%	60%		Dec'20	Due to poor road conditions, supply of Transformer & Reactor affected. Critical. Construction activities were kept in abeyance due to country wide lockdown for prevention of COVID-19 spread. Works restarted as per MHA Guidelines.
	Extn at 765/400KV Bareilly Sub station	-		Available	92%	95%	92%		Oct'20	Cable laying & termination activities were kept in abeyance due to country wide lockdown for prevention of COVID-19 spread.
11	System Strengthening Scheme in Northern Region - XXXVI		Mar'17					Sep'19	Dec'20	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 400/220KV Koteswar Pooling station	-		Available	50%	22%			Dec'20	TBCB line of Essel delayed. Work completely at standstill due to lockdown of the entire country due to Corona Pandemic.
	Extn. at 400/220KV Roorkee Sub station	-		Available	100%	100%	100%		Sep'19	Bays ready for commissioning in Dec'18. Downstream is not available.
12	Implementation of 500 MVAR Thyristor Controlled Reactor at Kurukshetra		Jan'19					Jul'21	Jul'21	Compln. Sch. - 30 months from IA
	500 MVAR Thyristor Controlled Reactor (TCR) at 400 kV Kurukshetra -1 No.				16%				Jul'21	Work was completely at standstill due to lockdown of the entire country due to Corona Pandemic. Now, work has been resumed with limited manpower.
13	Northern Region System Strengthening - XL		Feb'19					Dec'20	Dec'20	Compln. Sch. - 22 months from IA. Work completely at standstill due to lockdown of the entire country due to Corona Pandemic.
	Extn. at 400/220 kV Roorkee	1x500		Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Sonapat	1x500		Available					Dec'20	Award placed in Oct'19. Civil work started.
	Extn. at 400/220 kV Fatehpur	1x500		Available	20%	5%			Dec'20	Award placed in Aug'19. Construction activities were kept in abeyance due to country wide lockdown for prevention of COVID-19 spread. Works restarted as per MHA guidelines.
	Extn. at 400/220 kV Saharanpur	1x500		Available	8%				Dec'20	Award placed in Oct'19. Civil work started.
	Extn. at 400/220 kV Bhadla	2x500		Available	15%				Dec'20	Award placed in Oct'19. Civil work started.
	Extn. at 400/220 kV Lucknow (Repl. of 1x315 MVA ICT by 1x500 MVA ICT)	185		Available	5%				Dec'20	ICT replaced & commissioned in Mar'19. Award for 220 KV bay extn. placed in Aug'19. Engg. activities are under progress. Construction activities were kept in abeyance due to contry wide lockdown for prevention of COVID-19 spread. Works restarted as per MHA guidelines.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 400/220 kV Allahabad			Available	3%				Dec'20	Award placed in Aug'19. Construction activities were kept in abeyance due to country wide lockdown for prevention of COVID-19 spread. Works restarted as per MHA guidelines.
	Extn. at 400/220 kV Mandola			Available					Dec'20	Award placed in Oct'19. Civil work started.
	Extn. at 400/220 kV Hissar			Available					Dec'20	Award placed in Oct'19. Civil work started.
	Extn. at 400/220 kV Sikar			Available					Dec'20	Award placed in Oct'19. Civil work started.
	Extn. at 400/220 kV Meerut			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Abdullapur			Available	4%				Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Gorakhpur (1x315 MVA ICT after replacement at Lucknow to be shifted to Gorakhpur)			Available	50%	30%	8%		Dec'20	Based on the UPPCL request, effort are being made to complete 1 x 315 MVA ICT along with 400/220 kV ICT bays earlier. Construction activities were kept in abeyance due to country wide lockdown for prevention of COVID-19 spread. Works restarted as per MHA guidelines.
	Extn. at 400/220 kV Jind			Available					Dec'20	Award placed in Oct'19. Civil work started.
	Extn. at 400/220 kV Fatehabad			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Kishenpur			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Jallandhar			Available					Dec'20	For 220 kV Award placed in Oct'19. For 400 kV award placed in Jun'20.
	Extn. at 400/220 kV Amritsar			Available	6%				Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Maharanibagh			Available					Dec'20	Award placed in Mar'20.
	Extn. at 400/220 kV Chamera PS			Available					Dec'20	Award placed in Mar'20.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 400/220 kV Moga			Available					Dec'20	Award placed in Oct'19.
	Extn. at 400/220 kV Patiala			Available					Dec'20	Award placed in Jun'20.
14	Northern Region System Strengthening - XLII		Jul'19					Oct'20	Oct'20	
	Extn. at 400/220 kV Samba (Jatwal) (2 nos. 220 KV line bays for termination of 220 KV D/C Samba (PDD)-Samba (Jatwal) line of J&KPDD)			Available					Oct'20	Awarded in Jun'20.
15	Transmission System for Solar Energy Zones in Rajasthan		Aug'19					Dec'20	Mar'21	Work progress affected due to lockdown of the entire country due to Corona Pandemic.
	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	35%	12%	4%		Mar'21	Work restarted.
	Establishment of 765/400 KV Fatehgarh-II PS (1x125 MVA BR & 2x240 MVA BR alongwith associated bays)	3x1500		Acquired	30%	7%			Mar'21	Work restarted.
	Extn. of 765/400/220 KV Bhadla (PG) S/S	2x500		Available	18%				Mar'21	Work restarted.
	Extn. of 765/400 KV Bhiwani (PG) S/S	1x1000		Available	10%				Mar'21	Work restarted.
16	Scheme to control fault level in Northern Region (Phase-II)		Dec'19					Jun'21	Jun'21	Compln. Sch. - 18 months from IA. Award delayed due to Covid-19. Now placed in Jun'20
	Extn. of 400 kV Kanpur Substation			Available					Jun'21	Awarded in Jun'20.
	Extn. of 400 kV Bhiwani Substation			Available					Jun'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. of 400 kV Hissar Substation			Available					Jun'21	
17	Northern Region System Strengthening - XLI		Jan'20					May'21	May'21	
	Extn. at 400/220 kV Chamera Pooling Station (2 nos. 4000 KV line bays (GIS))								May'21	Awarded in Mar'20. Work completely at standstill due to lockdown of the entire country due to Corona Pandemic.
18	Transmission System for Providing connectivity to RE projects at Bikaner (PG), Fatehgarh-II & Bhadla-II		Jan'20					Jan'21	Mar'21	Compln. Sch. - 12 months from IA. Work completely at standstill due to lockdown of the entire country due to Corona Pandemic.
	Extension 765/400/220 kV Fatehgarh-II PS (Jaisalmer)	1x1500 & 5x500		Available					Mar'21	Award placed in Mar'20. Engineering in progress
	Extension 765/400/220kV Bhadla-II PS (Jodhpur)	1x1500 & 5x500		Available					Mar'21	Award placed in Mar'20. Engineering in progress
	Extension 400/220 kV Bikaner (PG) Substation	2x500		Available					Mar'21	Award placed in Mar'20. Engineering in progress
19	Additional 1x1500 MVA, 400/220 kV (4th) transformer at Amritsar (Balachak) PG SS under ISTS		Mar'20					Aug'20	Aug'20	Compln. Sch. - 5 months from IA
	Extension 400/220 kV Amritsar (Balachak) PG Substation	1x500		Available	12%	10%			Aug'20	Work progress affected due to lockdown of the entire country due to Corona Pandemic. Work restarted.
	WESTERN REGION									
20	Transmission System Associated with Mundra Ultra Mega Power Proj.		Oct'08/ Mar'16/ Mar'18/ Mar'19/ Mar'20					Dec'18/ Dec'19/ Jun'20	Sep'20	
	400/220 KV Bachchau S/Stn.	2x315		Acquired	Compltd	Compltd	Compltd		Sep'11	Sub station commissioned with ICT's in Sep'11.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	400/220 KV Navsari GIS S/Stn.	2x315		Acquired	Compltd	Compltd	Compltd		July'12	Sub station commissioned with both ICT's in July'12.
	Extn. 400KV at Boisar S/Stn.			Available	Compltd	Compltd	Compltd		Dec'16	Commissioned in Dec'16 alongwith line.
	765/400KV Wardha S/Stn.	3x1500		Acquired	Compltd	Compltd	Compltd		Mar'12	Sub station commissioned alongwith I&II ICT's in Feb'12 & IIIrd ICT in Mar'12
	400/220 KV Aurangabad S/Stn. & Extn. at 400KV Wardha & Aurangabad (MSETCL) S/stn.	2x315		Acquired	100%	100%	98%		Sep'20	Sub station commisisoned alongwith both ICT's in Jan'14. Commissioning shall be matched with line.
	Extn. 765KV at Seoni & Wardha S/stn.			Available	Compltd	Compltd	Compltd		May'12	Bays for Ist Seoni - Wardha line commissioned in Feb'12. & IInd Seoni-Wardha 765KV S/C line bay commissioned in May'12.
	Extn. 400KV at Limbdi S/stn.			Available	Compltd	Compltd	Compltd		Nov'11	Charged in Nov'11.
	Extn. 400KV at Ranchorpura S/stn.			Available	Compltd	Compltd	Compltd		Sep'11	Charged in Sep'11.
	Extn. 400KV Jetpur S/stn.			Available	Compltd	Compltd	Compltd		Aug'12	Commissioned in Aug'12.
	40% Fixed Series Compensation on Wardha - Aurangabad 400KV D/C line.			Available	99%	99%	97%		Sep'20	Commissioning shall be matched with Wardha-Aurangabad line.
21	Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.		May'17/ Nov'18/ Sep'19/ Mar'20					Sep'18/ Sep'19/ Mar'20/ Jun'20	Jul'20	Compln Sch. : 16 months from IA.
	Extn. at 765/400KV Banaskantha Sub station.	-		Available	97%	97%	95%		Jul'20	Completion matching with Banaskantha (Radhanesda)- Banaskantha 400 kV D/C line. Work was on hold due to country wide lockdown because of COVID-19 Pandemic. Now, work has been resumed after Lockdown 3.0 with limited manpower.
22	Supplementary Transmission System for Ultra Mega Solar Power Park at Banaskantha (Radhanesda) Gujarat.		Dec'17/ Mar'19/ Sep'19/ Mar'20					Jun'19/ Sep'19/ Mar'20/ Jun'20	Jul'20	Compln Sch. : 18 months from IA.
	400/220KV Banaskantha (Radhanesda) Pooling station GIS	2x500		Acquired	97%	96%	95%		Jul'20	Completion matching with Banaskantha (Radhanesda)- Banaskantha 400 kV D/C line. Work was on hold due to country wide lockdown

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
		2X500							Jun'20	because of COVID-19 Pandemic. Now, work has been resumed after Lockdown 3.0 with limited manpower.
23	Additional system for Power evacuation from Generation projects pooled at Raigarh (Tamnar) Pool		Sep'18					May'21	May'21	
	2 nos. 765 KV line bays at Raigarh (Tamnar) PG PS (for termination of Dharamjaygarh PS section B-Raigarh (Tamnar) PS 765 KV D/C line)			Available	55%	35%	15%		May'21	Awarded in Sep'18. Work was on hold due to country wide lockdown because of COVID-19 Pandemic. Now, work has been resumed after Lockdown 3.0 with limited manpower.
	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	50%	30%	15%		May'21	Awarded in Sep'18. Work was on hold due to country wide lockdown because of COVID-19 Pandemic. Now, work has been resumed after Lockdown 3.0 with limited manpower.
24	Western Region System Strengthening - XX		Jul'19					Aug'21	Aug'21	
	Part-A: Provision of Bus Reactors at High Voltage Nodes in WR									
	Extn. at 400/220 KV Khandwa S/S (1x125 MVar BR alongwith 400 KV bay)			Available	2%				Aug'21	Award placed in Jul'19. Work was resumed with limited manpower in mid Jun'20. But the work is temporarily on hold after one person in the Substation premises detected corona positive.
	Extn. at 765/400 KV Solapur S/S (1x240 MVar BR alongwith 765 KV bay)			Available	4%				Aug'21	Award placed in Jul'19. Civil work was on hold due to country wide lockdown because of COVID-19 Pandemic. Now, work has been resumed with limited manpower.
	Extn. at 400/220 KV Rajgarh S/S (1x125 MVar BR alongwith 400 KV bay)			Available	4%				Aug'21	Award placed in Jul'19. Civil work was on hold due to country wide lockdown because of COVID-19 Pandemic. Now, work has been resumed with limited manpower.
	Extn. at 765/400 KV Wardha S/S (1x330 MVar BR alongwith 765 KV bay)			Available					Aug'21	Award placed in Jul'19. Civil work was on hold due to country wide lockdown because of COVID-19 Pandemic. Now, work has been resumed with limited manpower.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 765/400 KV Aurangabad S/S (1x240 MVA BR alongwith 765 KV bay)			Available	8%				Aug'21	Award placed in Jul'19. Work was resumed with limited manpower in mid Jun'20. But work progress affcted due to heavy rain.
	Part-B: Provision of Bus Reactor at Champa Pool: Split section - Part A									
	Extn. at 400/220 KV Champa PS (1x125 MVA BR alongwith 400 KV bay)								Aug'21	Award placed in Jul'19. Engg. under progress.
	Part-C: Augmentation of transformation capacity in WR									
	Extn. at 400/220 KV Jabalpur S/S	1x500		Available	4%				Aug'21	Award placed in Jul'19. Civil work was on hold due to country wide lockdown because of COVID-19 Pandemic. Now, work has been resumed with limited manpower.
	Extn. at 400/220 KV Itarsi S/S	1x500		Available	2%				Aug'21	Award placed in Jul'19. Civil work was on hold due to country wide lockdown because of COVID-19 Pandemic. Now, work has been resumed with limited manpower.
25	Scheme to control fault level in at Wardha substation		Dec'19					Mar'22	Mar'22	
	400 kV Wardha Substation extension (400kV Bus Splitting at Wardha SS)								Mar'22	Award placed in May'20. Engineering activity is under progress.
26	Western Region System Strengthening Scheme-XXII		May'20					Mar'23	Mar'23	
	400 kV Boisar Substation Extension (Conversion of 80 MVA 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 is under progress.
27	Extension works at POWERGRID substations for Interconnection of RE Projects		May'20					Jan'21	Jan'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Part-A: PG works associated 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					Jan'21	Award is under progress.
	Part-B: Extension works at Bhuj PS for interconnection of RE Projects									
	Extn. at 765/400/220 kV Bhuj PS			Available					Jan'21	Award is under progress.
	SOUTHERN REGION									
28	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-A)		Oct'16/ Mar'19/ Feb'20					Jan'19/ Sep'19/ Apr'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.
29	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		Feb'17					Apr'20	Dec'20	Compln Sch. : 38 months from IA. (ADB Funded).
	+/- 320KV VSC based HVDC Terminal at Pugalur (2000MW)	2000MW		Acquired	77%	86%	72%		Dec'20	Work was completely at standstill due to lockdown of the entire country due to Corona Pandemic. Work resumed as per MHA guidelines.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	+/- 320KV VSC based HVDC Terminal at North Trichur (2000MW)	2000MW & 630		Acquired	77%	85%	71%		Dec'20	Work was completely at standstill due to lockdown of the entire country due to Corona Pandemic. Work resumed as per MHA guidelines.
30	Transmission System for evacuation of power from Neyveli Lignite Corp. Ltd. TS-1 (Replacement) (NNTPS) in Neyveli, Tamil Nadu.		May'17/ Mar'20					Jul'19/ Jun'20	Jul'20	Compln. Sch. - 13-26 months from IA or matching with Generation.
	Extn at 400KV Ariyalur (Villupuram) S/stn. (TANTRANSCO) scope (2 nos. 400 KV line bays)			Available					Jul'20	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.
31	Transmission System for Ultra mega Solar Park at Tumkur (Pavagada) Karnataka - Phase- II (Part.-B)		May'17/ Mar'19/ Feb'20					Feb'19/ Dec'19/ May'20	Sep'20	Compln. Sch. - 21 months from IA . ADB Funded
	Extn at 400/220KV Tumkur (Pavagada) Pooling Station (2 nos. 400 KV line bays)			Available	100%	99%	99%		Sep'20	Commissioning matching with line.
	Extn at 400/220KV Devanahally (KPTCL) Sub Station (2 nos. 400 KV line bays)			Available					Sep'20	Deposit work by KPTCL. Commissioning matching with line.
32	HVDC Bipole link between Western Region (Raigarh, Chhattisgarh) and Southern Region (Pugalur, TM) - North Trichur (Kerala) - Scheme-II : AC System Strengthening at Pugalur end.		Aug'17/ Feb'20					Feb'20/ Sep'20	Dec'20	Compln. Sch. - 30 months from IA . ADB / AIIB funded. The Ministry of Home Affairs on 24.03.20 invoked the National Disaster Management act and declared lockdown of the entire country up to 31st May'20. As per MHA guidelines, after getting permission from District administration, work resumed . However, progress hampered due to limited permission with regard to inter state movement of labours/ Quarentine compliance.
	Extn at 400KV Pugalur GIS (8 nos. 400 KV line bays)			Available	98%	98%	98%		Dec'20	Commissioning matching with lines.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn at 400KV Pugalur (Existing) Sub Station (2 nos. 400 KV line bays)			Available	100%	100%	99%		Aug'20	Commissioning matching with line.
	Extn at 400KV Arasur Sub Station (2 nos. 400 KV line bays)			Available	100%	100%	99%		Aug'20	Commissioning matching with line.
	Extn at 400KV Thiruvalem Sub Station (2 nos. 400 KV line bays)			Available	98%	96%	95%		Dec'20	Commissioning matching with line.
	Extn at 400KV Udumulpet Sub Station (2 nos. 400 KV line bays)			Available	97%	97%	95%		Nov'20	Commissioning matching with line.
	Extn at 400KV Edayarpalayam (TANTRANSCO) Sub Station (2 nos. 400 KV line bays)			Available					Nov'20	Deposit work basis.
33	Southern Region System Strengthening - XXVI		Jun'19					Mar'21	Mar'21	As per MHA guidelines, after getting permission from District administration, work resumed in May'20. However progress hampered due to movement of migrant labours, leaving site.
	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	80%	70%		Dec'20	Dec'20	
	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	75%	60%	10%	Mar'21	Mar'21	
34	Southern Region System Strengthening - XXV		Jul'19					Jul'21	Jul'21	As per MHA guidelines, after getting permission from District administration, work resumed in May'20. However progress hampered due to movement of migrant labours, leaving site.
	Augmentation of Transformation Capacity at 400/200 KV Gajuwaka S/S	500		Available	25%	10%			Jul'21	
	Extn. at 400/220 KV Hosur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	30%	10%			Jul'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 400/220 KV Madhugiri S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	30%	5%			Jul'21	
	Extn. at 400/220 KV Dharampuri S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	35%	10%			Jul'21	
	Extn. at 400/220 KV Hiriyur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	35%	10%			Jul'21	
	Extn. at 400/220 KV Pugalur S/S (1x125 MVA, 420 KV BR alongwith associated bays)			Available	10%	10%			Jul'21	
	Extn. at 400/220 KV Pugalur HVDC (GIS) S/S (2x125 MVA, 420 KV BR alongwith associated bays)			Available					Jul'21	Awarded in Jul'19. Engg. in progress.
35	Transmission system for controlling high Short Circuit Current level at 400 kV Thiruvalem S/S		Jun'20					Aug'21	Aug'21	
	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.									Award placed on 30.06.20.
36	Transmission system for controlling High Loading of Nellore (PG) – Nellore PS 400 kV (Q) D/C Line		Jun'20					Jan'21	Jan'21	

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 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)									Award placed on 30.06.20.
	EASTERN REGION									
37	Eastern Region Strengthening Scheme-V		Oct'13/ Mar'18/ Mar'19/ Feb'20					Dec'18/ Aug'19/ Apr'20	Jul'20	
	400/220KV Rajarhat S/Stn. (GIS)	2x500		Acquired	100%	100%	100%		Jul'20	Land acquired in Feb'14. work resumed in Oct/Nov'17 but again stalled from 01.12.17 due to protest by locals. Work re-started on 14.08.18 with the help of local administration but severe ROW in line affected completion. 1 ICT charged in Feb'19. ICT-II commissioned in Aug'19. Line bays also ready, commissioning matching with readiness of Rajarhat-Purnea line. 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.
	Extn at 400KV Purnea S/stn. (2x80MVAR L/R)			Available	Compltd	Compltd	Compltd		Oct'18	Commissioned in Oct'18
	Extn at 400KV Farakka S/stn.			Available	Compltd	Compltd	Compltd		Mar'17	Commissioned in Mar'17.
	Extn at 400KV Gokarna S/stn.			Available	Compltd	Compltd	Compltd		Mar'17	Commissioned in Mar'17.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
38	Eastern Region Strengthening Scheme-XII		May'14/ Mar'18/ Mar'19/ Oct'19					Jun'19/ Dec'19/ Jun'20	Dec'20	
	Installation of 125 MVAR Bus Reactor at Baripada (1 no.) & Maithon (1 no.) with GIS bays. Conversion of 50 MVAR LR, presently installed at Jeerat end of Baharampur - Jeerat 400KV line as BR in parallel with existing BR at Jeerat.			Available	Compltd	Compltd	Compltd		Nov'16	Conversion of Line reactor at Jeerat commissioned in Aug'16, Baripada commissioned in Oct'16 & Maithon in Nov'16.
	Addition of 500MVA ICT at 400/220KV Baripada S/stn.	500		Available	Compltd	Compltd	Compltd		Sep'16	Commissioned in Sep'16.
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Purnea S/stn.	370		Available	Compltd	Compltd	Compltd		Sep'16	ICT- I commissioned in Jul'15 & ICT-II in Sep'16
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Pusali S/stn.	370		Available	100%	100%	100%		Jan'20	ICT- I commissioned in Mar'16. ICT-II commissioned in Jan'20.
	Repl. 2 nos. ICT's, 315MVA to 500MVA at 400/220KV Patna S/stn. & 3rd new ICT 500MVA Installation	870		Available	100%	100%	100%		Feb'19	ICT-I commissioned in Sep'16. 3rd ICT added as per MoP order no; 15/2/2017 (Part-I)- Trans. dated 10.01.18. 3rd ICT commissioned in Feb'18. ICT -II charged in Feb'19
	Shifting of 1x315MVA 400/220KV ICT from any suitable location (after replacement by 1x500MVA & install it at 400/220KV Jamshedpur S/S. as 3rd ICT alongwith associated bays.	315		Available	Compltd	Compltd	Compltd		Dec'17	Commissioned in Dec'17.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Shifting of 1x315MVA 400/220KV ICT from any suitable location (after replacement by 1x500MVA & install it at 400/220KV Farakka S/S. as 2nd ICT alongwith associated bays.	-		Available	85%	75%	60%		Dec'20	Shifted from Pasuali ICT was held up at bridge near Farakka. Permission to cross bridge refused by MoST, W.B. ICT was delivered to Durgapur. *Scope was earlier proposed to be deleted from scheme. Now transporation via different route & commissioning at Farakka taken up. Awarded to CGL in Apr'19. Also, 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.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Siliguri S/stn.	60		Available	Compltd	Compltd	Compltd		Jan'16	Commissioned in Jan'16.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Purnea S/stn.	60		Available	Compltd	Compltd	Compltd		Feb'16	Commissioned in Feb'16.
	Repl. 1 no. ICT's, 100MVA to160MVA at 220/132KV Birpara S/stn.	60		Available	Compltd	Compltd	Compltd		Dec'15	Commissioned in Dec'15.
	Modification of 132KV Bus arrangement at 220/132 KV Siliguri & Purnea S/stn. with GIS bays.	-		Available	Compltd	Compltd	Compltd		Mar'18	Siliguri commissioned in Nov'16 & balance commissioned in Mar'18.
	02nos. 500MVA, 765/400KV Spare Transformers in ER.	-							Sep'18	01 ICT received at Angul received in Sep'17 & 2nd ICT commissioned at Jharsuguda in Sep'18.
	Const. of 4 nos 220KV GIS line bays at Kishanganj S/stn.	-		Available	Compltd	Compltd	Compltd		Oct'16	Commissioned in Oct'16.
39	Eastern Region Strengthening Scheme-XV		Apr'16/ Nov'18/ Mar'20					Apr'18/ Jan'20/ Apr'20	Jul'20	Agreement between WBSETCL & PGCIL signed on 22.08.17.
	Extn at 400/220KV at Farakka S/stn.			Available	Compltd	Compltd	Compltd		Aug'18	Bay commissioned in Aug'18.
	Extn at 400/220KV at Sagardighi S/stn.			Available	Compltd	Compltd	Compltd		Aug'18	Bay commissioned in Aug'18.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn at 400/220KV at Jeerat S/stn.			Available	90%	90%	80%		Jul'20	Work to be executed by WBSETCL on deposit basis. Awarded to JV of M/s Techno & Xian in Nov'18. Work was 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 upto 31.05.20.
	Extn at 400KV at Baharampur S/stn.			Available	Compltd	Compltd	Compltd		Aug'18	Bay commissioned in Aug'18.
	Extn at 400KV at Subhashgram S/stn.			Available	Compltd	Compltd	Compltd		Mar'18	Commissioned in Mar'18.
40	Eastern Region Strengthening Scheme-XVII (Part-B)		Feb'17/ Mar'20					Jun'19/ Sep'20	Nov'20	
	Extn. at 400/220KV Gaya S/stn.	500		Available	Compltd	Compltd	Compltd		Jan'19	Commissioned.
	Extn. at 400/220KV New Siliguri S/s (3rd ICT)	315		Available	97%	100%	90%		Nov'20	Award placed in Jun'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.
	Extn. at 400/220KV Durgapur S/stn. (3rd ICT)	315		Available	100%	100%	100%		Jun'19	Charged in Jun'19.
	Extn. at 400/220KV Jeypore S/stn.	630		Available	80%	80%	50%		Sep'20	Award placed in Mar'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.
	Extn. at 400/220KV Rourkela S/stn.	630		Available	90%	90%	85%		Sep'20	Award placed in Mar'17. Work was 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 upto 31.05.20.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Repl. of 400/220KV Malda S/st. (2x315MVA to 2x500 MVA)	370		Available	80%	90%	55%		Aug'20	Award placed in Mar'17. Shutdown awaited. 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.
	Extn. at Maithon (PG) and Maithon (RB)			Available	80%	90%	60%		Sep'20	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.
	Bypassing arrangement of LILO of 400KV lines at Angul.			Available	100%	100%	100%		Feb'20	Charged in Feb'20.
41	Eastern Region Strengthening Scheme- XVIII		May'18					Jul'20	Jul'20	
	Extension at 765kV Ranchi (New) S/s			Available	97%	97%	95%		Jul'20	Work was 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 upto 31.05.20.
	Extension at 400kV Subhashgram (New) S/s			Available	95%	95%	80%		Jul'20	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.
42	400KV D/C Baharampur (PG) - Bheramera (B'desh) line (IInd Ckt) - India portion		Sep'17/ Mar'20					Feb'20/ Apr'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.
43	Eastern Region Strengthening Scheme - XX		Nov'17					May'20	Sep'20	Compln. Sch. - 30 months from IA

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
	Extn. at 400/220KV Biharshariff S/Stn.	500		Available	100%	100%	100%		Sep'19	Commissioned.
	Extn. at 400/220KV Maithon S/Stn.	500		Available	99%	99%	99%		Jul'20	Award placed in Dec'17. Work was completely at standstill due to lockdown of the entire country due to Corona Pandemic. Bay work is completed, testing work under progress
	Extn. at 400/132KV Banka S/Stn.	315		Available	100%	100%	100%		Dec'19	Commissioned.
	Extn. at 400/132KV Lakhisarai S/Stn.	315		Available	100%	100%	100%		Dec'19	Commissioned.
	Extn. at 220/132KV Rangpo S/Stn.	100		Available	95%	90%	85%		Jul'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.
	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	75%	80%	65%		Sep'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.
	Extn. at 400KV Subhashgram S/Stn.	-		Available	100%	100%	100%		Jan'20	Commissioned.
	Extn. at 765/400KV Ranchi (New) S/Stn.	-		Available	98%	99%	99%		Jul'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.
	Extn. at 220/132 KV Purnea S/Stn.	-		Available	100%	100%	100%		Feb'20	Charged in Feb'20.
	NORTH EASTERN REGION									

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
44	North Eastern Region Strengthening Scheme -III		Sep'15/ Jan'18/ Mar'20					Dec'17/ Jun'18/ Mar'21	Mar'21	
	2nd ICT at 400/220KV Bongaigaon S/s.	315		Available	Compltd	Compltd	Compltd		Apr'19	Commissioned.
	Repl. of 220/132KV 1x50 MVA to 1x160 MVA at Kopili S/stn.	110		Available	90%	85%	75%		Mar'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	Compltd	Compltd	Compltd		Apr'19	Commissioned.
45	PG works associated with North Eastern Region Strengthening Scheme -V		Apr'18					Apr'20	Mar'21	
	Extn. at 400/220KV Silchar Sub station				90%	80%	70%		Dec'20	Work progress affected due to lockdown of the entire country due to Corona Pandemic.
46	PG works associated with North Eastern Region Strengthening Scheme -VI		May'18					Jul'20	Oct'20	
	Extn. at 400/220KV Misa & Imphal Sub station			Available	65%	40%	35%		Oct'20	Work progress affected due to lockdown of the entire country due to Corona Pandemic.
	Extn. 400/220KV New Mariani Sub station	2x500		Available	68%	48%	35%		Oct'20	Work progress affected due to lockdown of the entire country due to Corona Pandemic.
47	PG works associated with North Eastern Region Strengthening Scheme -II (Part-B)		May'18					Sep'20	Sep'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	65%	50%	40%		Sep'20	Work progress affected due to lockdown of the entire country due to Corona Pandemic.
	Extn. at 400/220 KV Misa GIS S/stn.			Available	60%	48%	40%		Sep'20	Work progress affected due to lockdown of the entire country due to Corona Pandemic. 80 MVAR Bus Reactor charged in Jun'20.

Sl. No.	Name of the Sub -Station	MVA Ratio	Executing Agency	Status of land	Status of Construction			Completion Tgt.		Remarks
					Civil works compln. (%)	Str. & Eqpt. Received (%)	Str. & Eqpt. Erection (%)	Schedule	Ant./ Act	
48	North Eastern Region Strengthening Scheme-VIII		Sep'18					Mar'21	Mar'21	Work progress affected due to lockdown of the entire country due to Corona Pandemic.
	Mokokchung (PG) GIS S/S (220/132 KV, 30 MVA 3rd ICT alongwith associated bays)	3x10		Available	15%	4%			Mar'21	Award placed in Nov'18. Engg. & Civil work in progress.
	Dimapur (PG) GIS S/S (Repl. Of 220/132 KV, 4x33.33 single ph. ICT by 1x160 MVA 3-ph. Unit, Addn. of new 200/132 KV 1x160 MVA 3-ph. ICT & associated bays, conversion of switchyard and Bus Bar scheme etc.)	60 1x160		Available	4%	2%			Mar'21	Award placed in Nov'18. Engg. & Civil work in progress.
	Jiribam (PG) GIS S/S (upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)			Available	12%	8%			Mar'21	Award placed in Nov'18. Engg. & Civil work in progress.
	Aizwal (PG) GIS S/S (upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)			Available	4%	2%			Mar'21	Award placed in Nov'18. Engg. & Civil work in progress.
	Kumarghat (PG) GIS S/S (upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)			Available	16%	8%			Mar'21	Award placed in Nov'18. Engg. & Civil work in progress.
	Haflong (PG) GIS S/S (upgradation of 132 KV level from AIS to GIS alongwith incorporation of Double Bus Arrangement, LBB & Bus Bar Protection & associated works)			Available	13%	5%			Mar'21	Award placed in Nov'18. Engg. & Civil work in progress.